



WING BEAT NEWS

Game Bird
HERITAGE

REGION 2—SACRAMENTO VALLEY/CENTRAL SIERRA COUNTIES

Plumas, Butte, Glenn, Colusa, Yolo, Solano, Yuba, Sutter, Sacramento, San Joaquin, Calaveras, Alpine, Amador, El Dorado, Placer, Nevada and Sierra



Quail Hunting

By Dale Whitmore

**Free Subscription See
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In northern California there are two species of quail, the California or "valley" quail and the mountain quail.

Seventy five percent of the quail harvested annually are California quail, mountain quail make-up only five percent. California quail are hunted in chaparral, oak woodlands and stream side habitats in lower elevation foothills and the valleys. California quail are quite vocal and sometimes the covey can be located by simply listening for their "chi-ca-go" call given most frequently during periods of active feeding in early morning or late evening. However, in order to consistently locate coveys of quail, a hunting dog is a must.

In contrast, mountain quail can be found on public lands in the Sierra Nevada and Coast Range forests. Hunting mountain quail in the steep brushy areas that they prefer can be a real challenge. Like the California quail, coveys of mountain quail can be located by listening for their high, clear, rather plaintive call. They will readily answer the whistle of a hunter trying to locate them.

The creation of brushpiles and sources of water are methods used to increase quail numbers on wildlife areas and near rural homes. The DFG and other conservation groups have installed hundreds of underground water tanks or guzzlers, which collect rainwater for wildlife. Homeowners can provide water by allowing a hose to drip into a half barrel or basin placed on the ground.

HUNTING QUAIL WITHOUT A DOG - The first step is to locate a covey of quail, this goes for persons both with and without a dog. There are two keys to this puzzle: one is cover, the other is water. Once water has been located, search the surrounding terrain and locate some good cover, the thicker the better. If there is no good cover within 1/4 mile try another spot. Head toward the cover, keeping an eye open for quail scurrying along the ground out the "back door". Also keep an ear open for their "pit-pit" alarm call. If they spot you and they are a good distance away, you may hear their assembly call.

If they are heading up a valley draw, odds are they will continue to travel along the cover in front of you. Place one person on each side of the draw and follow them. If you have a third person, put one down in the draw. This will help prevent you from moving past them. If they are heading up the side of a hill (especially a steep one) it is best to try and out maneuver them than to out climb them. In most cases they will go right over the top or hang up in some cover on the hill. Send one person around the other side while the other one stays at the bottom of the hill. At some predetermined time both of you head up the hill from opposite sides. Be prepared for some fast action at the top of the hill, but also be sure of where the other hunter is before shooting.

LOCATING DOWNED QUAIL - You are standing in the area where you know the dead quail fell, but you don't see it. Now what? Look for loose feathers on the ground. Feathers are almost always left where they hit the ground. However, there often is another group of feathers dropped by a quail when shot that can be misleading. The reason they can be misleading is that the bird often travels a considerable distance beyond where it was hit, and if there is even the slightest breeze the feathers can drift a considerable distance from where it might be. The two groups can usually be told apart by where the feathers are found and how tightly the feathers are grouped. The feathers left on the ground where the bird lands are usually tightly bunched. Feathers from the in-air hit are usually found widely scattered and on top of shrubbery. Don't expect to find the quail sitting right there among the feathers. Most often they bounce or roll a few feet from the point of impact with the ground. When you find these feathers remember the direction it was heading when you rolled it. Search the area beyond the feathers in the same direction. If you have searched this area with no success, double the distance beyond the feathers and search again. They usually travel further than you think they did. It is not unusual to spend 30 minutes searching for a single downed quail. You owe it to that bird to keep trying.

Sam Blankinship, the Department of Fish and Game Wildlife Biologist responsible for quail management in California, reports that brood survival appears high. Hunting prospects are looking very good.

There is an early mountain quail season hunting zone A which starts Saturday, September 11, 1999 and ends Friday, October 15, 1999. This early mountain quail zone includes the counties of Alpine, Butte, Del Norte, Glenn, Humboldt, Inyo, Lassen, Modoc, Mono, Plumas, Shasta, Sierra, Siskiyou, Tehama, Trinity, and those portions of Amador, Calaveras, El Dorado, Fresno, Madera, Mariposa, Nevada, Placer, Tuolumne, Tulare, and Yuba Counties lying east of the western boundary of the national forests.

The Early Coastal Season (Zone B) for all quail in the counties of Marin, Napa, Solano, Sonoma, Lake and Mendocino is from September 25, 1999 to January 30, 2000.

The 1999 season for all quail in the Balance of the State Season (Zone C) runs from October 16, 1999 to January 30, 2000. The balance of the state season (all species) Zone C includes the remaining land area not included in Zone B (the counties of Marin, Napa, Solano, Sonoma, Lake and Mendocino).

Bag Limit: 10 quail in any combination of species per day. Possession Limit: double the daily bag limit. Be sure to check the California Hunting Regulations for Resident Game Birds for further information. Call the numbers listed under PLACES TO HUNT on how to acquire maps of those areas.

PLACES TO HUNT

Jackson State Forest on Hwy 20 between Fort Bragg and Willits; 50,200 acres of mixed coniferous forest, CA and mtn quail, band-tailed pigeon, cottontail rabbit and blue grouse. Jackson State Forest, PO Box 1185, 802 Main Street, Fort Bragg, CA 95437. (707) 964-5674

Cow Mountain Recreation Area in Lake and Mendocino Counties; CA and mtn quail, and cottontail rabbit. Bureau of Land Mgt in Ukiah (707) 462-3873.

Boggs Mountain State Forest on Hwy 29 near Hobergs; 3,393 acres of mixed coniferous forest. Mtn quail, tree squirrel, cottontail rabbit, and band-tailed pigeon. Boggs Mtn State Forest, PO Box 839, Cobb, CA 95426. (707) 928-4378.

Knoxville Area in Lake and Napa Counties; Take Knoxville Devilhead Road off of Berryessa Knoxville Road just north of Knoxville. This is the only road into area. Access restricted to foot or horse traffic. CA and mtn quail, mourning dove, cottontail rabbit. Bureau of Land Mgt in Ukiah (707) 462-3873.

Lassen National Forest (NF) in Plumas County; Mtn quail, blue grouse, and band-tailed pigeons; Almanor Ranger District in Chester (530) 258-2141.

Plumas NF in Plumas/Butte/Sierra Counties; Mtn and CA quail, tree squirrel, band-tailed pigeon, and blue grouse; Plumas NF in Quincy (530) 283-2050.

Mendocino NF in Glenn/Colusa/Mendocino/Lake Counties; CA and Mtn quail, band-tailed pigeon, tree squirrel cottontail rabbit and mourning dove; Mendocino NF in Stonyford - (530) 963-3128

Lake Oroville State Recreation Area - Hunting daily from September 15 through January 31 and for wild turkeys only during the spring wild turkey season - (4,150 acres) - 7 miles east of Oroville via Hwy 162; boat access to much of the area. The majority of the Recreation Area lands consists of a narrow strip surrounding Oroville Lake extending a minimum of 300 feet from the high water line to one-half mile or more in some areas. Some U.S. Forest Service and BLM lands adjoin the Recreation Area. **CA and mtn quail, wild turkey, band-tailed pigeon, rabbits, squirrels and pheasant are also available.** No waterfowl or deer hunting allowed. Hunting on or from the water surface of Lake Oroville is prohibited. For a map contact the Lake Oroville State Recreation Area, 400 Glen Drive, Oroville, CA 95966 or call (916) 538-2200 or 538-2219.

Indian Valley Wildlife Area (44,990 acres of DFG land) and Indian Valley Management Area (50,000 acres of BLM land) in Lake and Colusa Counties - About 27 miles west of Williams or 14 miles east of Clearlake Oaks on Highway 20 turn north on Walker Ridge Road. **CA quail, mourning dove, deer and cottontail rabbit are also available.** DFG at (707) 944-5500 or BLM in Ukiah at (707) 462-3873.

Cache Creek Wildlife Area (3,860 acre of DFG land) and Cache Creek Management Area (70,000 acres of BLM land) in Lake, Yolo and Colusa Counties. There are 3 access points. 1. North Fork Cache Creek Trailhead; from Interstate Highway 5 at Williams, go west on Highway 20 approximately 33 miles to the parking lot on the south side of the road. The entrance is immediately past where Highway 20 crosses over North Fork Cache Creek. From Highway 101 at Calpella, go east on Highway 20 about 48 miles to the parking lot. 2. Longer Peak Road Access; take Highway 16 south of Highway 20 to County Road 40. 3. Davis Street Access; take Highway 53 south off Highway 20 to Davis Street east. CA and mtn quail, mourning dove. DFG at (707) 944-5500 or BLM Ukiah office at (707) 462-3873.

Daugherty Hill WA - Hunting daily from July 1 through January 31 and during the spring turkey season (2,314 acres) - 21 miles east of Marysville via Hwy 20, Marysville Road, and Dolan Harding Road. **CA quail, tree squirrel, wild turkey, mourning dove, band-tailed pigeons, and deer are also available.** For a map call (530) 743-5068.

Tahoe NF in Placer/Nevada/Sierra/Yuba Counties; **CA and mtn quail, tree squirrel, band-tailed pigeons, blue grouse, and deer are also available.** Tahoe NF in Nevada City at (530) 265-4531.

Spenceville Wildlife Area - Hunting daily from September 1 through January 31 and during the spring turkey season - 11,213 acres - 18 miles east of Marysville via Hammonton-Smartsville Road. **Quail, tree squirrel, wild turkey, deer, band-tailed pigeons, and mourning dove hunting are also available.** For a map call (530) 743-5068.

Sutter Bypass Wildlife Area - Hunting every day - 4,034 acres along the levee on much of both sides of the Sutter Bypass and the Tisdale Bypass. The Tisdale Bypass is about 10 miles south of the town of Sutter, where Reclamation Road crosses the Tisdale Weir. **Pheasant, waterfowl, rabbit, dove, tree squirrel, wild turkey, coyote, and deer hunting are also available. Shotguns and archery equipment only.** For a map call (530) 743-5068.

Nelson Slough Wildlife Area - Hunting every day from July 1 through January 31 and during spring turkey season - 800 acres under the Highway 99-Feather River Bridge 23 miles north of Sacramento and 17 miles south of Yuba City. A Sutter-Yuba Junior Pheasant Hunt usually takes place here on the weekend before pheasant season. Access is either east or west of Highway 99 on Sacramento Avenue. Sacramento Avenue is one mile north of the Feather River Bridge near Nicolaus. **Pheasant, waterfowl, rabbit, quail, dove, tree squirrel, dove, wild turkey, coyote, and deer hunting are also available. Shotguns and archery equipment only.** For a map call (530) 743-5068.

Oroville Wildlife Area - 11,371 acres - Hunting every day from September 1 - January 31 and spring turkey season. Spring turkey hunting is by drawing only. Best pheasant hunting is around the Thermolito Afterbay. The Oroville Junior Pheasant Hunt usually takes place on the 2nd Saturday of pheasant season near the Thermolito Afterbay. The Afterbay is located between Highway's 99 and 70 about 4.5 miles west of Oroville on Highway 162. Pheasant, waterfowl, rabbit, quail, dove, tree squirrel, dove, chukar, bobwhite, coyote, and deer hunting are also available. Spring wild turkey hunting by drawing only. No fall turkey hunting. Shotguns and archery equipment only. Call (530) 538-2236 for info.

White Slough Wildlife Area - Hunting everyday from September 1 through January 31 - 880 acres. Four separate parcels about 8 miles west of Lodi. Pond 5 Area is north of Woodbridge Road; Pond 6 Area is north of Woodbridge road; Ponds 7 and 8 are east of Guard Road; and Ponds 9 through 13 are along the frontage road on the west side of Highway 5. **Waterfowl, quail, and dove hunting are also available. Shotguns and archery equipment only.** For a map call (530) 743-5068

O'Connor Lakes/Abbott Lake Wildlife Areas - Hunting July 1 to January 31 and spring turkey season - 910 acres. Located about 10 miles south of Yuba City and 25 miles north of Sacramento. Walk in access at the end of Star Bend Road off Garden Highway in Sutter County. Star Bend Road is located ½ mile north of the intersection of Highway 99 and Garden Highway near the Tudor area. **Pheasant, waterfowl, rabbit, quail, dove, tree squirrel, dove, wild turkey, coyote, and deer hunting are also available. Shotguns and archery equipment only.** For a map call (530) 743-5068.

Lake of the Woods and Star Bend Wildlife Areas - Hunting every day from July 1 to January 31 and spring turkey season - 750 acres. Located about 10 miles south of Marysville and 25 miles north of Sacramento on Feather River Boulevard. Walk in access from the Star Bend Boat Ramp parking lot. The 700 acre Lake of the Woods WA begins 3/10 of a mile south of the Star Bend Boat Ramp and extends 5 miles south to the Bear River. The 50 acre Star Bend WA begins 4/10 of a mile upstream of the Star Bend Boat Ramp. **Pheasant, waterfowl, rabbit, quail, dove, tree squirrel, dove, wild turkey, coyote, and deer hunting also available. Shotguns and archery equipment only.** For a map call (530) 743-5068.

Butte Slough Wildlife Area - Hunting every day from September 1 to January 31 - 178 acres - 10 miles west of Yuba City on Highway 20 to the Sutter Bypass Bridge. Turn right on West Butte Road for 3.8 miles and turn left on the unnamed gravel road. One mile to the parking lot. **Mourning dove, rabbits, waterfowl, coyote, tree squirrel, pheasant, and deer are also available. Shotguns and archery equipment only.** For a map call (530) 743-5068.

Auburn State Recreation Area (42,000 acres) in Placer/El Dorado Counties; CA quail, mourning dove, band-tailed pigeon, rabbit, tree squirrel and deer are also available. Located 1 mile south of Auburn on Hwy 49. Auburn SRA at (530) 885-4527 or 988-0205.

El Dorado NF in El Dorado/Placer/Amador/Alpine Counties; CA and mtn quail, tree squirrel, band-tailed pigeon, wild turkey, blue grouse, and deer. Jenkinson Lake area has mtn quail. El Dorado NF in Placerville (530) 622-5061.

New Hogan Lake - Hunting every day - 400 acres - 30 miles east of Stockton. **Quail, mourning dove, waterfowl, and rabbits are also available. Shotguns and archery equipment only.** Access via Hwy 12. Corps of Engineers (209) 772-1343.

New Melones Lake (25,000 acres) 25 miles east of Oakdale; Access via Hwy 108/120 to Hwy 49; CA quail, mourning dove. Bureau of Reclamation (209) 536-9094.

Stanislaus NF in Calaveras and Alpine Counties; CA and mtn quail, tree squirrel, band-tailed pigeon, wild turkey, blue grouse, and deer. Access via Hwy 4. Stanislaus NF in Sonora (209) 532-3671.

In an effort to aid quail hunters the Department of Fish and Game has published a *Guide to Hunting the Quail of California*, which contains helpful information on hunting opportunities. If you would like to discuss methods to increase quail numbers on either private or public lands, please call Wildlife Biologist Dale Whitmore at (530) 743-5068.

IT'S FINALLY HERE AND AVAILABLE TO ALL!

EVERYTHING YOU EVER WANTED OR NEEDED TO KNOW ABOUT THE DEPARTMENT OF FISH AND GAME IN ONE PUBLICATION!

In its continuing effort to make getting information about the Department of Fish and Game (DFG) and its activities easier, the DFG has created its new *Directory of Public Resources*.

This compact document contains 54, full-color pages of information on DFG programs, hunting and fishing activities, wildlife rehabilitation facilities, wildlife areas, volunteering and even a section of yellow pages *featuring current and area code accurate phone numbers* for DFG offices around the state.

"The Department of Fish and Game has tremendous responsibilities and countless activities aimed at conserving, enhancing, and protecting California's fish, wildlife and habitat," said Jack Edwards, Chief of the Conservation Education Office. "We want the public to know what we do, why and how, but we didn't want to overwhelm them with hundreds of individual pieces of paper."

The *Directory of Public Resources* represents a rendering of more than 30 different brochures, flyers, articles and other materials into an easy to use, compact yet thorough format. The DFG found that multiple brochures were a cumbersome and ineffective means of providing information to the public at exhibits, fairs, and other public events. Something was always missing. The *Directory of Public Resources* has it all. We took all of those multiple, bulky and inconsistent documents and created a single publication with a table of contents that lets a user go right to where he or she needs.

But DFG did not stop with letting people know about its resources alone. Within the *Directory of Public Resources*, DFG included information on its federal and state agency partners like the U.S. Department of Agriculture, California Air Resources Board, Department of Parks and Recreation, and more than 20 others.

"We want Californians to know what we do and where they can go to get the information and services they need from us," said Edwards. "Sometimes, a constituent's needs do not fall under our jurisdiction, but that doesn't mean that our responsibility to help them ends. We believe that helping people get to the right resource is a service we should also provide."

The *Directory of Public Resources* does just that. By the middle of September the directories will be available at any of the DFG's regional offices, wildlife areas and ecological reserves. If you can't wait for the trucks to deliver it to an office near you, they can be ordered from the Sacramento headquarters by calling the main line at (916)653-2225, email pmontalv@dfg2.ca.gov, fax (916) 653-1865 attn Pat Montalvo, or writing the DFG at P.O. Box 944209, Sacramento, CA 94244-2090.

DFG Booth at Sport Shows

Come and see our booth at the following sport shows this winter. Many sporting activities, hunting apparel, hunt clubs, seminars and much more will be featured at these shows.

1. Sacramento - International Sportsmen's Exposition at Cal Expo/California State Fairgrounds on January 12-16, 2000. Call 360-693-3700 for info.
2. San Francisco - Sports and Boat Show at the Cow Palace on January 14-23, 2000. Call 415-931-2500 for info
3. San Mateo - International Sportsmen's Exposition at the San Mateo County Expo Center on February 2-6, 2000. Call 360-693-3700 for info.

Tree Squirrel Season - Correction to Summer 1999 Wing Beat News

The second paragraph of page 4 in the Summer 1999 Wing Beat News should have stated that there is an early **"Archery and Falconry Tree Squirrel Season and Area: Tree squirrels may be taken with bow and arrow or raptors only during the general tree squirrel season and as follows:**

The season in the counties of the Alpine, Amador, Butte, Calaveras, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Lake, Lassen, Madera, Marin, Mariposa, Modoc, Napa, Nevada, Placer, Plumas, Shasta, Sierra, Siskiyou, Solano, Sonoma, Sutter, Tehama, Trinity, Tulare, Tuolumne and Yuba: and that portion of Kern lying east of Interstate 5 shall open on the first Saturday in August extending through the day before general tree squirrel season (August 7 - Sept. 10, 1999).

Please remember to check the regulations for the spot you are enjoying. Wing Beat News is an informational newsletter and in no way usurps the regulations for the take of game or fish in California.

WHERE CAN I HUNT PHEASANTS?

By Dale Whitmore

Pheasant populations do well when weedy vegetation in fallow fields, ditch banks and other non-farmed areas are preserved for nesting and brood cover. Corn stubble, grain straw, and other crop residues left in the fields over winter provide critical food and cover for pheasants and other wildlife.

See the article, "Irrigation, European Philosophy & California Pheasants", for information on how the Department of Fish and Game and the private landowner can increase pheasant numbers.

The 1999 general statewide pheasant season is November 13, 1999 through December 12, 1999. Only male pheasants may be taken as follows: Two male pheasants per day for the first two days of the season and three male pheasants per day thereafter. Hunters may possess four male pheasants on the second day and six male pheasants on and after the third day of the hunting season. The shooting hours for pheasants shall be 8:00 a.m. to sunset.

In general, the Sacramento Valley pheasant brood survival was considerably higher than the past two years. Hunting prospects are favorable in most locations, particularly those areas which retain natural habitat and crop residues for nesting and cover purposes. Pheasant hunting should be very good.

LICENSED GAME BIRD CLUBS

Licensed game bird clubs are private areas where released game birds are hunted. Some offer daily or multiple-bird hunting opportunities. There are Zone A and Zone B Clubs. Both hens and roosters are legal to hunt.

There are 2 basic options used in operating a Private Licensed Game Bird Club: 1) the Scheduled Field Method or 2) the Free Roaming System. The Scheduled Field Method often requires a call ahead and a request for a certain number of birds in your own field. Your card may be pre-punched for the number of birds you requested. The Free Roaming System is more flexible for the hunter in that their cards are punched only with the number of birds they actually take home. The hunter must be very ethical, not pass up hens and make every effort to retrieve slightly crippled pheasants or the price per bird may be higher under the Free Roaming System.

The following Zone A clubs are located in the Central Valley. The Zone A shooting season for pheasants shall commence on the Saturday nearest the 15th of October and extend for 114 consecutive days. For other domestically reared game birds (usually chukar and bobwhite quail), the Zone A shooting season shall be from September 1 to March 31 of the following year. Please contact the clubs for specifics about their operation.

Barsetti Hunt Club, 28568 N. Cherokee Lane, Galt, CA 95632, 209 368-6150.

Beale Game Farm, 6000 C St. Room 111, Beale AFB, CA 95903, 530 634-2004.

Beck's Pheasant Club, 8629 Road 67, Butte City, CA 95920, 530 982-2214.

Cahoon Pheasant Club, 31249 E. Combs Road, Escalon, CA 95320, 209 838-6085.

Cameron Outing, 3205 Acton Way, Roseville, CA 95747, 916 372-4050.

CCF Hunting Club, PO Box 1600, Lodi, CA 95241, 209 367-8800.

Clear Creek Sports and H&H Gun Club, 3971 Keefer Road, Chico, CA 95973, 530 343-9263.

Gaines Afton Ranch, PO Box 132, Durham, CA 95938, 530 882-4607.

Garcia's Pheasant Club, 3121 Humphrey Road, Loomis, CA 95650, 916 652-7865.

Hansen Pheasant, 7561 Road 61, Princeton, CA 95970, 530 934-3526.

Lakeview Farms Inc., 5490 Riosa Road West, Lincoln, CA 95648, 530 633-9112, 916 645-9117,
LAKEVIEWFARMS@PRODIGY.COM.

Honker Inn Lodge, PO Box 161, New Pine Creek, CA 97635 (Modoc County), 530 946-4179.

On Point Hunt Club, 540 E. 11th Street, Lincoln, CA 95648, 530 645-8978.

Paradise, 26919 East Dodds Road, Escalon, CA 95320, 209 838-3996.

Pheasants, cont'd

Pheasant Valley Hunting, 4240 Carter Road, Farmington, CA 95230, 209 886-5109.

Quail Point Preserve, PO Box 848, Knights Landing, CA 95645, 530 735-6217.

Red Dog Gun Club, PO Box 522, Wheatland, CA 95692, 530 633-4136.

Rimrock Hunting Preserve, 113 Blaze Ford Road, Oroville, CA 95966, 530 589-4257.

Salt Creek Pheasant Club, PO Box 187, Williams CA 95987, 916 473-2333.

South Butte Gun Club, 6790 South Butte Road, Sutter, CA 95982, 530 755-0524.

Timbuctoo Sporting Estate, 7038 Sicard Flat Road, Smartville, CA 95918, 530 639-1102.

Valley Quail Hunting Club, PO Box 942, Lathrop, CA 95330, 209 239-2576.

Western Flyway Hunting Preserve, 406 Cox Lane, Oroville, CA 95965, 530 533-0596.

Yankee Slough Hunt Club Inc., 3805 Hwy 65, Lincoln, CA 95648, 916 645-6028, FAX 916 645-1617.

The following Zone B clubs are located throughout California, other than the Central Valley. The Zone B shooting season shall commence on September 1 and close May 31. Please contact the clubs individually for the specifics of their operation.

Birds Landing Hunt Preserve, PO Box 5, Birds Landing, CA 94512, 707 374-5092.

Black Point Sports Club, 7711 Lakeville Hwy, Petaluma, CA 94954, 707 763-0076.

Comanche Hills Hunting Preserve, Inc., 2951 Curran Road, Ione, CA 95640, 209 763-5270.

Dry Creek Game Bird Club, PO Box 6104, Oroville, CA 95965, 530 532-9147.

G&G Pheasant Shoot, PO Box 116, Gazelle, CA 96034 (North of Weed, CA), 530 435-2309.

Hastings Island Hunting Preserve, 7758 Hastings Island Road, Rio Vista, CA 94571-1026, 707 678-3325, FAX 707 678-1604.

Moore Ranch, PO Box 90, Lookout, CA 96054, (60 miles W of Alturas), 530 294-5586.

North Branch Hunting Preserve, 3387 Highway 12, San Andreas, CA 95249, 209 754-4903.

Potter Valley Sportsmen, 6950 Hwy 20, Ukiah, CA 95482, 707 485-5188.

Red Bank Ale & Quail, PO Box 8295, Red Bluff, CA 96080, 530 529-9435, FAX 530 529-9627.

Romero Ranch Hunt Club, PO Box 517, Likely, CA 96116, 530 233-4938.

Suisun Marsh Hunting Preserve, PO Box 698, Fairfield, CA 94533, 707 425-4158.

COMMUNITY PHEASANT HUNTING AREAS

These hunting co-operatives are usually operated as a fund raiser for community projects. Most operate only during the pheasant season, and all Fish and Game regulations apply. Pen raised pheasants augment the natural populations on these private lands. Hunters pay a nominal fee (usually \$75-140). Members receive a map of the available lands and there are usually no field assignments or check in/out requirements. You just go hunting!

Glenn Pheasant Association, Kathy Withrow, PO Box 6, Glenn, CA 95943, (530) 934-3606

Willows Pheasant Association, Julie Holvik, PO Box 306, Willows, CA 95988 (530) 934-3695

Willows Elks Pheasant Club, 150 South Shasta St. Willows, CA 95988 (530) 934-4321

Richvale Hunting Area, PO Box 96, Richvale, CA 95974 (530) 882-4263

Yolo Sportsmen's Association, PO Box 82, Woodland CA 95776 (530) 662-2349

Knights Landing Sportsmen's Club, Inc, PO Box 547, Knights Landing, CA 95645 (530) 662-3372

Meridian Pheasant Association, Tom Teesdale, PO Box 305, Meridian, CA 95957 (530) 696-2539

South Sutter Recreation Association, Diane Fales, 265 Worth Road, Nicolaus, CA 95659 (530) 656-2303

Friends of Clarksburg Youth, Kathy Merwin, PO Box 66, Clarksburg, CA 95612 (916) 744-1376

Stockton Sportsmen's Club, PO Box 1364, Stockton, CA 95201 (209) 957-9717 Check station is at the corner of Airport Way and McMullin Road about 6 miles southwest of Manteca.

FEE FOR ACCESS CLUBS - These clubs offer sportsmen access to a wide variety of land for all types of hunting. Usually you will find low hunter density on exclusive land that is accessible only through reservations. Depending on the club, hunting opportunities can include bird, waterfowl, and big game hunting.

Butte City Hunting Club, 1559 County Road Z, Butte City, CA 95920, 530 342-9180.

Golden Ram Sportsmen's Club, Inc., 840 Hinkley Road, Burlingame, CA 94010, 650 692-6670.

Richmond Hunting Club, 12645 San Pablo Ave., Richmond, CA 94805, 510 232-4964.

Wilderness Unlimited, 20954 Corsair Blvd., Hayward, CA 94545, 510 785-4868.

DEPARTMENT OF FISH AND GAME TYPE A WILDLIFE AREAS AND NATIONAL WILDLIFE REFUGES

Sutter National Wildlife Refuge - Hunter capacity is 80 - **Pheasant hunting is on waterfowl shoot days during the pheasant season. For info call 530 934-2801. Location and Access** - Area is twelve miles southwest of Yuba City. From Yuba City travel south on Highway 99 for 6 miles to Oswald Road, turn west, proceed for 5 ½ miles to the checking station.

Reservations: Available during the waterfowl season and pheasant season. **Checking Station:** During the waterfowl season the checking station will open at least two hours before shooting time. Reservations must be presented at the checking station one hour before shooting time. Hunters without a reservation may obtain a first-come, first-served number starting at 4:00 PM the day before the hunt. Parking area gates and checking station will open at 4:00 PM the day before the hunt.

Colusa National Wildlife Refuge - Hunter capacity is 80. **Pheasant hunting is on waterfowl shoot days during the pheasant season. For info call 530 934-2801. Location and Access:** **New Check Station Location located on Ware Road between Ohm and Lone Star Roads** Approximately five miles east of Williams. Traveling on Interstate 5, turn east 2 miles south of Williams on Husted Road, proceed north one mile to Able Road, then right or east three miles to Lone Star Road, then right or south two miles to Ware Road. Turn left or east for 1 ½ miles to the checking station. Traveling on Hwy 20, turn south about 4 miles west of Colusa or about 5 miles east of I-5 onto Lone Star Road, then 5 ½ miles south to Ware Road. Turn left or east for 1 ½ miles to the checking station. **Reservations:** Available during the waterfowl and pheasant season. **Checking Station:** During waterfowl season the checking station will be open at least two hours before shooting time. Reservations must be presented at the checking station by one hour before shooting time. Non-reserved entry permits will be issued at checking station on hunting day. **Lottery Drawing for First-come, first-served list.** Hunters without reservations may register at the checking station for a drawing. The drawing will be held at 6:00 PM on the afternoon (Tues., Fri., and Sat.) before each hunt day. The results of the drawing will establish the order of sale of entry permits to fill existing vacancies in the hunter quota. Non-reservation hunters arriving after 6:00 PM will be assigned a first-come, first-served number. Parking area gates and checking station will open at 4:00 PM the day before the hunt.

Delevan National Wildlife Refuge - Hunter capacity: 29 hunting sites (4-person), with a maximum area capacity of 112 hunters in blinds, and 60 in the non-blind area. **Pheasant hunting is on the first Monday of pheasant season and on waterfowl shoot days during the pheasant season. For info call 530 934-2801. Location and Access:** About 5 miles east of Maxwell. Traveling on Interstate 5, turn east at the town of Maxwell on the Maxwell-Colusa Road and proceed about 3 ¾ miles to the graveled Four Mile Road, then north (left) two miles to the checking station. From Colusa, travel north on the Colusa-Princeton Road five miles, then west on the Colusa-Maxwell Road 4 miles to the graveled Four Mile Road. Proceed north (right) 2 miles to the checking station. **Reservations:** Available during the waterfowl and pheasant seasons. **Checking Station:** During waterfowl season the checking station will be open at least two hours before shooting time. *Reservations must be presented at the checking station by one hour before shooting time.* Non-reserved entry permits will be issued at the checking station on hunting day. **Lottery Drawing for First-come, first-served list.** Hunters without reservations may register at the checking station for a drawing. The drawing will be held at 6:00 PM on the afternoon before each hunt day. The results of the drawing will establish the order of sale of entry permits to fill existing vacancies in the hunter quota. Non-reservation hunters arriving after 6:00 PM will be assigned a first-come, first-served number. Parking area gates and checking station will open at 4:00 PM the day before the hunt. No reservations will be issued for the first Monday of the pheasant season when only pheasants may be hunted. Hunters may register for a drawing on Sunday between 9:00 AM and 4:00 PM. A drawing will be held on Sunday at 4:00 PM to establish order of entry. Lottery procedures will be followed.

NOTE: On Wednesday, December 29, 1999 all blinds are reserved for junior hunters. Adult hunters may use the free-roam areas.

Pheasants, cont'd

Sacramento National Wildlife Refuge - Hunter capacity: 46 hunting sites (4-person), with a maximum area capacity of 184 hunters in blinds, and 75 in the non-blind area. **Pheasant hunting is on the first Monday of pheasant season and on waterfowl shoot days during the pheasant season. For info call 530 934-2801. Location and Access:** About seven miles south of Willows. From Willows, travel south on Interstate 5 about seven miles to the junction with the Princeton offramp: turn east, proceed one mile to checking station. From Maxwell, travel north on Interstate 5 for eight miles; turn east (right) on the Princeton offramp and proceed one mile to checking station. Caution: Chest waders are highly recommended. **Reservations:** Available during the waterfowl and pheasant seasons. **Checking Station:** During waterfowl season the checking station will be open at least two hours before shooting time. *Reservations must be presented at the checking station by one and one-half hours before shooting time.* Non-reserved entry permits will be issued at the checking station on hunting day. **Lottery Drawing for First-come, first-served list.** Hunters without reservations may register at the checking station for a drawing. The drawing will be held at 6:00 PM on the afternoon before each hunt day. The results of the drawing will establish the order of sale of entry permits to fill existing vacancies in the hunter quota. Non-reservation hunters arriving after 6:00 PM will be assigned a first-come, first-served number. Parking area gates and checking station will open at 4:00 PM the day before the hunt. No reservations will be issued for the first Monday of the pheasant season when only pheasants may be hunted. Hunters may register for a drawing on Sunday between 9:00AM and 4:00 PM. A drawing will be held on Sunday at 4:00 PM to establish order of entry. Lottery procedures will be followed. NOTE: On Saturday, December 18, 1999 all blinds are reserved for junior hunters. Adult hunters may use the free-roam areas.

Gray Lodge Wildlife Area - 8,300 acres - Hunter capacity is 400 - **Pheasant hunting is every day during the first nine days of pheasant season. Thereafter, during the regular pheasant season, pheasant hunting will be allowed only on Saturdays, Sundays, and Wednesdays. For info call 530 846-3315. Location and Access** - From the town of Gridley (on Highway 99) proceed five miles west on the Gridley-Colusa Road, turn south (left) on Pennington Road and travel 3 miles to the checking station. From Live Oak, travel west on Pennington Road 8 ½ miles through Pennington, then north(right) on Almond Orchard Road for 2 miles to the checking station. **Reservations:** Available during the waterfowl and pheasant seasons. **Checking Station:** During waterfowl season the checking station will be open at least two hours before shooting time. During pheasant season reservations will be honored on waterfowl shoot days with vacancies being filled on a first-come, first-served basis. On non-waterfowl shoot days quotas shall be filled on a first-come, first-served basis.

Upper Butte Basin Wildlife Area - 9,208 acres - Hunter capacity: Llano Seco Unit is 30; Howard Slough Unit is 50; and the Little Dry Creek Unit is 80 - **Pheasant hunting is every day during the first five days of pheasant season, and on waterfowl hunt days during the remainder of pheasant season. Location and Access** - Llano Seco Unit - From Highway 99 north of Gridley, take Highway 162 west about 13 miles to Z Road. Go north on Z Road (it becomes 7 Mile Road in Butte County) about 6.5 miles to the check station sign on the left or west side of the road. Howard Slough Unit - Located about 11 miles west of Highway 99 on Highway 162. Checking station is on Road ZZ, one mile north of Highway 162. Little Dry Creek Unit - 11 miles west of Gridley on the Gridley-Colusa Highway. Check station on the north side of the road and east of Butte Creek. **Reservations:** Available during the waterfowl and pheasant season for Howard Slough and Little Dry Creek units, No reservations available for the Llano Seco Unit. For the Little Dry Creek Unit, hunters without reservations may register at the checking station between 4:00 PM and 6:00 PM on the afternoon before each hunt day to participate in the drawing that will be held at 6:00 PM. Hunters without reservation or lottery numbers will be assigned first-come, first-served numbers beginning two hours before shooting time. **Checking Station:** During waterfowl season the checking station will be open at least two hours before shooting time. Daily hunter quota for the Little Dry Creek Unit will be filled by the following order: 1) reservations, 2) lottery numbers, 3) first-come, first-served numbers. **Call 530 982-2169 for info.**

Yolo Bypass Wildlife Area - 3700 acres - Hunter capacity is 40, reservations get first priority, then refills. **Pheasant hunting is on waterfowl hunt days during the pheasant season. Low pheasant numbers. Location and Access:** About 3 miles east of Davis (4 miles west of West Sacramento) off Interstate 80. From eastbound I-80, take East Chiles Road exit and travel east 1/4 mile to the west levee access. From westbound I-80, take Frontage Road exit immediately west of the west end of the Yolo Causeway, turn right at stop sign and head south under freeway to west levee access. **Reservations:** Available during the waterfowl and pheasant seasons. **Checking Station:** during approved hunting seasons, the parking lot and checking station will open two hours before shooting time. **Overnight parking is not permitted.** Hunters without reservations may register at the area headquarters 2 miles west of the hunter check station on county road 32-B (Chiles Road) between 4:00 PM and 6:00 PM on the afternoon before each hunt day to participate in a lottery drawing that will be held at 6:00 PM. Hunters without reservations or lottery numbers will be assigned first-come, first-served numbers beginning two hours before shooting time at the hunter check station which is located within the Yolo Bypass. Daily hunter quota will be filled by the following order: 1) reservations, 2) lottery numbers, 3) first-come, first-served numbers. **Call 530 757-2461 for info.**

Grizzly Island Wildlife Area - Hunter capacity is 350 - **Pheasant hunting is each day during the first 12 days of the general pheasant season, and only on Saturdays, Sundays, and Wednesdays during the remainder of the pheasant season. Rabbit hunting is allowed daily in July and on pheasant hunt days. Dove hunting is available on pheasant hunt days during the late dove season. Location and Access:** Within the Suisun Marsh about 10 miles southeast of Fairfield. From the cities of Fairfield or Rio Vista on Highway 12, turn south on Grizzly Island Road one mile east of Fairfield and proceed south 10 miles to the area headquarters. **Reservations:** Available for hunting waterfowl with vacancies being filled on a first-come, first-served basis. Pheasant hunters may have reservations on waterfowl shoot days with vacancies being filled on a first-come, first-served basis. On non-waterfowl shoot days quotas will be filled on a first-come, first-served basis. **Checking Station:** Grizzly Island Unit checking station opens at least two hours before shooting time. Reservations must be presented at the checking station by one hour before shooting time. **Call 707 425-3828 for info.**

Sutter Bypass Wildlife Area - Hunting every day - 4,034 acres along the levee on much of both sides of the Sutter Bypass and the Tisdale Bypass. Other game includes waterfowl, dove, quail, tree squirrels, rabbits, coyotes, crows, ground squirrels and wild turkey. The Tisdale Bypass is about 10 miles south of the town of Sutter, where Reclamation Road crosses the Tisdale Weir. Waterfowl, rabbit, quail, dove, tree squirrel, dove, wild turkey, coyote, and deer hunting are also available. Shotguns and archery equipment only. For a map call (530) 743-5068.

Nelson Slough Wildlife Area - Hunting every day from July 1 through January 31 and during spring turkey season - 800 acres under the Highway 99-Feather River Bridge 23 miles north of Sacramento and 17 miles south of Yuba City. A Sutter-Yuba Junior Pheasant Hunt usually takes place here on the weekend before pheasant season. Access is either east or west of Highway 99 on Sacramento Avenue. Sacramento Avenue is one mile north of the Feather River Bridge near Nicolaus. Waterfowl, rabbit, quail, dove, tree squirrel, dove, wild turkey, coyote, and deer hunting are also available. Shotguns and archery equipment only. For a map call (530) 743-5068.

Oroville Wildlife Area - 11,371 acres - Hunting every day from September 1 - January 31 and spring turkey season. Spring turkey hunting is by drawing only. Best pheasant hunting is around the Thermolito Afterbay. The Oroville Junior Pheasant Hunt usually takes place on the 2nd Saturday of pheasant season near the Thermolito Afterbay. The Afterbay is located between Highway's 99 and 70 about 4.5 miles west of Oroville on Highway 162. Waterfowl, rabbit, quail, dove, tree squirrel, dove, chukar, bobwhite, coyote, and deer hunting are also available. Spring wild turkey hunting by drawing only. No fall turkey hunting. Shotguns and archery equipment only. Call 530 538-2236 for info.

Colusa Bypass Wildlife Area - Hunting every day - 1,248 acres 1 ½ miles north of Colusa. From Colusa, go north on River Road for 1 ½ miles, then east on Laux Road for 1 ½ miles to parking area. Shotguns and archery equipment only. For a map call 916 359-2900. No habitat to hunt in 1999 due to bypass leveling.

Fremont Weir Wildlife Area - 212 acres - Hunting everyday from September 1 through January 31 - 212 acres. Travel north on Road 102 from Interstate 5 near Woodland for 5 miles and turn right on Road 16 for 2.5 miles. Then turn left on Road 116 for ½ mile to Road 116A. Waterfowl, rabbit, dove, and crow hunting are also available. Shotguns and archery equipment only. For a map call 916 358-2900.

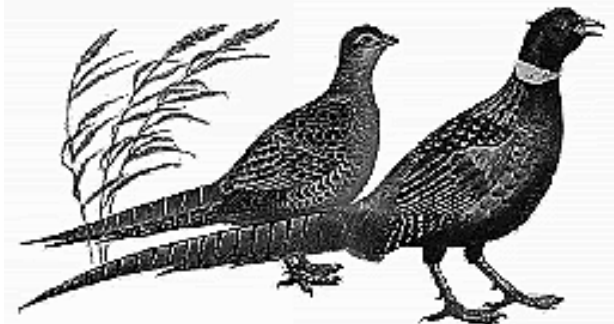
Sacramento Bypass Wildlife Area - Hunting everyday from September 1 through January 31 - 361 acres. From Sacramento proceed west on Business 80 Highway to the Harbor Boulevard exit. Take Harbor Boulevard north to County Road 22, then north for 0.7 miles to County Road 126 or 127. Waterfowl, rabbit, dove, and crow hunting are also available. Shotguns and archery equipment only. For a map call (530) 743-5068

White Slough Wildlife Area - Hunting everyday from September 1 through January 31 - 880 acres. Four separate parcels about 8 miles west of Lodi. Pond 5 Area is north of Woodbridge Road; Pond 6 Area is north of Woodbridge road; Ponds 7 and 8 are east of Guard Road; and Ponds 9 through 13 are along the frontage road on the west side of Highway 5. Waterfowl, quail, dove, and dove hunting are also available. Shotguns and archery equipment only. For a map call (530) 743-5068

O'Connor Lakes/Abbott Lake Wildlife Areas - Hunting July 1 to January 31 and spring turkey season - 910 acres. Located about 10 miles south of Yuba City and 25 miles north of Sacramento. Walk in access at the end of Star Bend Road off Garden Highway in Sutter County. Star Bend Road is located ½ mile north of the intersection of Highway 99 and Garden Highway near the Tudor area. Waterfowl, rabbit, quail, dove, tree squirrel, dove, wild turkey, coyote, and deer hunting are also available. Shotguns and archery equipment only. For a map call (530) 743-5068.

Lake of the Woods and Star Bend Wildlife Areas - Hunting July 1 to January 31 and spring turkey season - 750 acres. Located about 10 miles south of Marysville and 25 miles north of Sacramento on Feather River Boulevard. Walk in access from the Star Bend Boat Ramp parking lot. The 700 acre Lake of the Woods WA begins 3/10 of a mile south of the Star Bend Boat Ramp and extends 5 miles south to the Bear River. The 50 acre Star Bend WA begins 4/10 of a mile upstream of the Star Bend Boat Ramp. Waterfowl, rabbit, quail, dove, tree squirrel, dove, wild turkey, coyote, and deer hunting are also available. Shotguns and archery equipment only. For a map call (530) 743-5068.

Napa-Sonoma Marshes State Wildlife Area - Located west and north of State 37 near the City of Vallejo, east and south of Highway 121 near the cities of Sonoma and Napa. The majority of the area is accessed by boat via the Napa River, Sonoma Creek, Napa Slough, Hudeman Slough and other tributary sloughs. **Hunt Days:** Saturdays, Sundays, and Wednesdays during open seasons for waterfowl, coots, moorhens, snipe, rabbits, pheasants, and doves. Doves and rabbits may also be hunted everyday during the September dove season. Shotguns and archery equipment only. For a map call (530) 743-5068.



FISH AND GAME ADOPTS MIGRATORY WATERFOWL REGULATIONS 1999-2000

The new regulations include:

BLACK BRANT - The adopted regulation sets the statewide season for Black Brant from Nov. 10 to Dec. 9, 1999. The daily bag limit is two per day and four in possession.

DUCK ZONES AND SEASONS

- + Northeastern California Zone - Oct. 9, 1999 to Jan. 16, 2000
- + **Balance of State Zone - (Most of North and Central CA) - Oct. 16, 1999 to Jan. 23, 2000**
- + Southern San Joaquin Valley Zone - Oct. 16, 1999 to Jan. 23, 2000
- + Southern California Zone - Oct. 16, 1999 - Jan. 23, 2000
- + Colorado River Zone - Oct. 8, 1999 to Jan 16, 2000

DUCK DAILY BAG (statewide, except restriction on Mexican Ducks in Colorado River Zone)

- + Daily bag limit: 7 ducks
- + Daily bag limit makeup:
 - * Up to seven mallards but no more than two hens
 - * Four scaup (reduction from 7/day in 1998-99)
 - * One pintail (either sex)
 - * Only one canvasback (either sex)
 - * Only two redheads (either sex)
- + Possession limit: double the daily bag limit.

GOOSE ZONES AND SEASONS

- + Northeastern California Zone
 - * Other than White-fronted and cackling geese - Oct. 9, 1999 to Jan. 16, 2000 (Increase of 7 days from 1998-99)
 - * White-fronted and cackling geese - Oct. 9 - Nov. 21, 1999 (Increase of 21 days from 1998-99)
- + **Balance of State Zone - Nov. 6, 1999 - Jan. 23, 2000**
- + Southern San Joaquin Valley Zone - Nov. 6, 1999 - Jan. 23, 2000
- + Southern California Zone - Oct. 23, 1999 to Jan. 23, 2000
- + Colorado River Zone - Oct. 11, 1999 to Jan. 16, 2000

GOOSE LIMITS IN NORTHEASTERN CALIFORNIA, SOUTHERN SAN JOAQUIN VALLEY AND BALANCE OF STATE ZONES

- Daily bag limit: 3
- Daily bag limit makeup:
 - * Three may be white geese
 - * Only two dark geese of which only one may be a cackling goose
- Possession limit: double the daily bag limit.

YOUTH HUNT DAY

- + Northeastern California Zone - Oct. 2, 1999
- + **Balance of State Zone - Jan. 29, 2000**
- + Southern San Joaquin Valley Zone - Jan. 29, 2000
- + Southern California Zone - Jan. 29, 2000
- + Colorado River Zone - Jan. 22, 2000

JUNIOR HUNTERS HUNT FREE AT TYPE A AND B WILDLIFE AREAS AND NATIONAL WILDLIFE REFUGES

Junior hunters are issued free entry permits on Type A and B Wildlife Areas and National Wildlife Refuges. The junior hunter must be accompanied by a person at least 18 years old. A person who is at least 18 years may bring up to two junior hunters to hunt with him or her.

A junior hunter is a person who has successfully completed their hunter education training course and has purchased their junior hunting license before their 16th birthday. The junior license is valid for the current hunting year even though they will pass their 16th birthday during that hunting season.

Junior hunters are not required to purchase California Upland Game Bird Stamps or California Duck Stamps. A Federal Duck Stamp is required for hunting ducks on and after their 16th birthday. The annual Youth Waterfowl Hunt Day is open only to those hunters who have not had their 16th birthday on the event day. See our youth hunt article in this issue for more details on the annual Youth Waterfowl Hunt Day.

WATERFOWL APPLICATIONS AND FREE WATERFOWL POSTERS ARE AT LICENSE AGENTS

The one-choice and five-choice waterfowl applications are available at license agents.

The Bismuth Cartridge Company and the California Waterfowl Association are providing 70,000 posters titled "1999-2000 Guide to California's State Operated Hunting Areas" free to the public. These were printed at no expense to the DFG. The posters list the waterfowl seasons and bag limits by zone, shows the locations of Type A and B Wildlife Areas and National Wildlife Refuges, and has pictures of many common waterfowl. Every hunter who applied for a reservation last year should have received one in the mail. Copies have also been supplied to Bismuth, California Waterfowl Association, all type A and B wildlife areas, lifetime hunting and sportsman's license holders, and license agents. Hunters who want a copy can contact their nearest DFG office (See Information Page) until supplies are exhausted.

Irrigation, European Philosophy, and California Pheasants

By Dave Smith

The crystal blue November morning sky paints the perfect backdrop for your bird dog as he cuts left, then cuts right, then pours on the coals. Tail wagging, excitement building, grass thrashing. Left, right, quartering tighter. You're on his tail, gun ready. Finally, the explosion of feathers and colors shatters the morning stillness. The cackling ring-necked pheasant boils up off the dog's nose, twisting, churning upward, getting away. Gun up, fluid motion, whoomp. Dead bird. Nice retrieve, Jake.

As you stuff the colorful cockbird in your game bag you wonder why the Central Valley can't be filthy with long-tailed rooster pheasants. Why can't it be like Nebraska or the Dakotas? This is too good. Can't somebody do something to make more pheasants?

The DFG habitat folks got things rolling in the early 1990's with a three-year pheasant radiotelemetry project based out of Mendota Wildlife Area that also included investigations at Los Banos, Grizzly Island, Gray Lodge, and the Little Dry Creek Unit of the Upper Butte Basin Wildlife Area. Chet Hart and Steve Brueggemann of Mendota WA co-authored an extensive report detailing the study's findings and experimental habitat management conducted at San Joaquin Valley wildlife areas.

The study revealed that: 1) hen nest success was extremely high (>80%) and did not vary much by region or habitat type, 2) low brood survival limited pheasant recruitment, 3) chick survival appeared to be related to the availability of moist soils and green vegetation, and indirectly to insect populations, and 4) the majority of the uplands in the San Joaquin Valley naturally dried out too early to serve as adequate brood habitat.

Irrigation to Increase Insect Food Supplies

"Spring comes too early," said Hart. "It's out of sync with the pheasant reproductive cycle by at least a couple of weeks."

In an effort to compensate for the Valley's Mediterranean climate that often produces dry grass and sparse insect populations during late May and June when pheasant chicks are hatching out, DFG's wildlife area managers did the most logical thing - they irrigated.... and irrigated.

They planted food plots such as milo, corn, sudan, and black millet. They maintained low ends of wetlands and uplands as semi-permanent wetlands. They even irrigated uplands in the early spring in some areas to build up soil moisture. Employing about every imaginable form of irrigation, DFG kept good chunks of the wildlife areas moist and green well into the summer.

The intensive management generally benefitted pheasants and a wide variety of resident wetland wildlife species, including breeding ducks, shorebirds, and wading birds such as white-faced ibis. Further, a recent study conducted at the Los Banos Wildlife Area showed a correlation between irrigated pheasant habitats and increases in songbirds.

Yet something was still lacking with respect to pheasants.

Pheasant brood survival was not commensurate with the effort being expended by DFG habitat managers, particularly in the low-density areas of the San Joaquin Valley. Planted food crops could affect only a relatively small acreage and irrigation of natural upland cover often resulted in vegetation being so thick that a person had difficulty walking through it, much less a week-old brood of pheasants. That's when Hart decided to seek advice from abroad.

Hart developed a close working relationship with Dr. Peter Robertson of The Game Conservancy Trust in Great Britain, a renowned pheasant researcher who authored the book entitled "Pheasants" and has conducted studies in England, Austria, China, and Utah. Robertson agreed with DFG's findings that brood habitat was limiting pheasant populations in California, but provided an infusion of European philosophy on pheasant management that led DFG to consider some new habitat elements - primarily rooster crowing territories and certain elements of brood habitat - in their habitat management approach.

Robertson believes there are three main elements of good pheasant brood habitat: 1) a good insect food supply, which typically occurs in green vegetation such as clovers and other broad-leaved plants, 2) openings in the vegetation at ground level to allow access by foraging pheasant chicks, and 3) a canopy cover sufficient to provide protection from aerial predators.

Rooster Crowing Territories

Robertson's research also points to importance of providing suitable rooster crowing territories. While hen mallards, for example, show great tradition for nest sites, hen pheasants simply seek crowing roosters and then nest in the vicinity. For this reason, habitats can be manipulated to attract roosters to suitable brood-rearing habitat. Robertson's work indicates that territory cover may be more limiting than nesting cover in much of the North American pheasant range.

Rooster territory cover consists of an opening for display at the edge of dense cover such as shrubs or strong-stemmed residual upland vegetation. The rooster crows and displays in the open area to attract harem hens. The hens then nest in close proximity to the territory. Thus, the addition of suitable crowing sites has the potential to dramatically influence pheasant nest density - a field with numerous rooster territory sites will attract more hens..... and if brood habitat is good, the field will produce lots of pheasants.

Armed with Robertson's insight and some locally spawned theories, DFG initiated a large-scale effort this spring to improve pheasant populations on San Joaquin Valley wildlife areas by focusing on "pheasant centers" that contain suitable rooster territories and brood habitat. Meanwhile, Upper Butte Basin Wildlife Area manager Pete Blake employed a similar technique emphasizing big blocks of birdsfoot-trefoil dominated uplands and Gray Lodge manager Mike Womack continued his approach of spreading summer water, planting food crops, and irrigating to ensure adequate green vegetation. While the habitat management philosophies still vary among managers and much remains to be learned, the following approach shows great promise in preventing dense thickets of upland vegetation that actually exclude pheasant chicks.

Winter Flooding to Maintain Openings at Ground Level

Brood habitat has been improved by winter flooding upland areas for approximately 3-4 weeks in late February and early March to delay upland plant growth, rot out dense mats of vegetation at the ground level, and saturate the soils. This was successfully implemented at Mendota WA, with one large upland field staying green and moist until July with sufficient openings for pheasant chicks to move freely through the vegetation. These flooded uplands were also used extensively by mallards and other dabbling ducks as pre-breeding season foraging sites.

VOLUNTEER OPPORTUNITIES AVAILABLE

Habitat Projects - Wing Beat News regularly has articles about how we can improve the hunting/fishing/outdoor activities that we enjoy. Sportsmen like to return some of what we have taken from nature by helping the land produce more wildlife by improving the habitat. **If you would like info on how to build wood duck, bluebird, and barn owl boxes; dove nest cones; planting of food crops for wildlife, or other wildlife habitat improvement projects, please call.** I can also help with finding a location on a state wildlife area for what you build. This can be a good group or parent/child project.

Junior Pheasant Hunts in Sutter and Yuba Counties - Each year there is a junior pheasant hunt for about 260 youth on the first weekend in November (November 6-7, 1999) about 20 miles north of Sacramento and a second hunt at Beale Air Force Base in January 2000. Adult volunteers with or without trained bird dogs are urgently needed to plant the pheasants and act as monitors with small groups of junior hunters and their adults. If you have a trained bird dog, you can help a junior hunter without a dog get their first bird. Come help for a half day or the whole weekend.

Private Duck Club Owners - Could you provide a marsh for a small group of youth and parents to hunt ducks on Youth Waterfowl Day on January 29, 2000? You provide the location and the DFG provides the liability insurance.

If you can help out in any of these areas please contact DFG Wildlife Biologist Dale Whitmore at (530) 743-5068 in Marysville. Here are ways that many of us can help pass on the outdoor traditions that we love so much. Please give Dale a call and leave your name, address, phone number and the info you desire.



5 Gallon Buckets/Pipe Needed to Save Wildlife From Flooding

The DFG, Boy Scout Troop 33 from Yuba City and Troop 314 from Carmichael are collecting 5 gallon or larger plastic pails (Dry paint buckets, planting containers, etc) and 5 foot sections of 4-6 inch diameter (PVC or plastic) pipe for the purpose of creating hundreds of underground burrows for rabbits and other wildlife on some large, flood proof mounds recently created on the O'Connor Lakes Wildlife Area south of Yuba City. The buckets will be turn upside down, a hole for the pipe cut in the bucket and the pipe inserted, and the bucket and pipe buried with only the end of the pipe exposed for an entrance.

Flood waters drown or animals die from exposure to bad weather when the Feather River runs high. These mounds and burrows can make a difference. If you can provide several buckets or pipe please call Wildlife Biologist Dale Whitmore at (530) 743-5068.



J13 Feather River Wildlife Area, Sutter County (Sutter/Yuba Junior Pheasant Hunt Application)

WHAT: Junior pheasant hunt at the Nelson Slough Unit on the mornings and afternoons of November 6 and 7, 1999. The Nelson Slough Unit is located 23 miles north of Sacramento and 17 miles south of Yuba City on the north bank of the Feather River. No cost, 260 permits. One application per hunter and junior hunters may apply as a group. HOW: Complete the form below (form can be duplicated) and mail or FAX so that it arrives before 5 pm, October 13, 1999 for drawing. Unfilled space filled on first-come, first-served basis. For info call (916) 358-2877 or FAX the form to (916) 358-2912. Mail the form to DFG, Wildlife Mgt., 1701 Nimbus Road, Suite A, Rancho Cordova, CA 95670. This hunt is recommended for first-time hunters.

1999 Sutter-Yuba Junior Pheasant Hunt Application

Jr Hunters Name (Print) _____
Address _____
City, State and Zip _____
Age _____ Jr Hunting License No. _____
Day Phone _____ Eve Phone _____

Indicate Hunt Preference(1= 1st Choice, 4= Last Choice)

Sat.Nov.6 AM ____, Sat.Nov.6 PM ____, Sun.Nov.7AM ____, Sun.Nov.7PM ____.

WAIVER OF LIABILITY - By signing my name hereto, I specifically waive for myself, my heirs, administrators, assigns, and assignees, all claim and demand against the United States, the State of California, its officers, agents, servants, or employees, or the owner or owners of any land contained in this area, for all injury or loss accruing or arising in any manner whatsoever while I am exercising the privileges granted by this permit, using the area, or while in route to or from the same.

Signature of Junior _____

Signature of Adult Legally Responsible for Junior _____

****See Page 18 for more Junior, Family and Special Hunts****

WHAT IS A TYPE A, B, or C WILDLIFE AREA (WA) OR NATIONAL WILDLIFE REFUGE (NWR)?

The Department of Fish and Game manages over 800,000 acres of land in California. Most of that land is classified as Type A, B, or C wildlife areas.

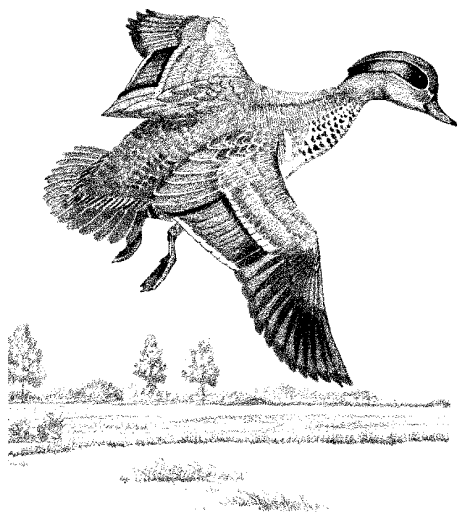
Type A and B Wildlife Areas - These are the high quality waterfowl/pheasant areas with check stations that are located throughout the state. As a rule, hunting is on Saturdays, Sundays, and Wednesdays during waterfowl season. The Type A areas require a daily pass (\$12), a 2-day pass (\$21.00), or a Type A season pass (\$96.85). The Type B areas require the Type A or B season pass (\$32.30).

Other types of hunting such as dove, deer, and rabbits are also available on many of these areas.

The Type A areas include: Colusa NWR, Delevan NWR, Sacramento NWR, Sutter NWR, Gray Lodge WA, Yolo Bypass WA, Upper Butte Basin WA (Howard Slough, Little Dry Creek and Llano Seco Units), Grizzly Island WA, (also see Type B list), Los Banos WA, Mendota WA, Volta WA, San Luis NWR, Merced NWR, North Grasslands WA (China Island, Gadwall and Salt Slough Units), Imperial WA (Wister Unit), Kern NWR, Salton Sea NWR, and San Jacinto WA.

The Type B areas include: Grizzly Island WA (Gold Hills, Goodyear Slough, and Island Slough Units), Ash Creek WA, Butte Valley WA, Honey Lake WA, Shasta Valley WA, and Willow Creek WA.

Type C Wildlife Areas - These are the majority of the wildlife areas and there is no fee charged for hunting these areas. Hunting days are usually daily and permits are not needed except for the busy days, e.g., first nine days of the spring turkey hunt at the Spenceville and Daugherty Hill Wildlife Areas or a Sat., Sun., Wed., schedule such as at the Clifton Court Forebay. There are dozens of these wildlife areas located throughout the state where hunters can hunt rabbits, dove, tree squirrels, deer, band-tailed pigeons and more without having to fill out application forms. Read the *California Hunting and Other Public Uses on State and Federal Areas* for more information on the hunting/fishing opportunities available on the many wildlife areas and call the DFG Regional Offices listed on the Information Center page for maps.



Youth duck hunts Sacramento NWR and Delevan NWR Junior Waterfowl Hunts

Junior Waterfowl Hunts are planned for Saturday, December 18, 1999 at Sacramento NWR and Wednesday, December 29, 1999 at Delevan NWR. Junior hunters will be selected from reservation applications postmarked between November 1-30, 1999.

For the application process use only a standard U.S. Postal Service card. Give full name, address, telephone number, and hunting license number for each junior hunter applying. Up to two junior hunters may apply per card. One adult (18 years of age or older) may accompany up to two juniors but no more than four people can occupy one blind. Only one application for each hunt may be submitted. Use a separate postcard for each refuge and specify either Sacramento NWR or Delevan NWR. Mail postcards to: Refuge Manager, Sacramento National Wildlife Refuge, 752 County Road 99 W, Willows, CA 95988.

Forty-six reservations cards for Sacramento NWR and 28 for Delevan NWR will be selected. A letter of confirmation and a numbered Junior Hunting Permit will be returned at least 7 days prior to the hunt day. The number on the permit will determine the hunting party's sequence of entry. Adults cannot hunt. Retrieving dogs, decoys, and chest waders are recommended. There is no entry fee for this hunt.

First-Served Lottery Draw. Those not receiving a numbered reservation for the junior duck hunt will be able to enter a lottery draw held at 5:30 a.m. on the morning of the hunt. This draw will be used to fill no-shows and refill the blinds. The procedure for entering the lottery draw is as follows: 1) Hunters must fill out only one lottery card per hunting party, 2) Hunters may enter the lottery at the check station beginning at 4:00 p.m. the day before the hunt until 5:30 a.m. the morning of the hunt, 3) After filling out a lottery card, hunters may leave the parking area but must be present for the lottery draw, 4) Hunters arriving after the lottery draw will be added to first-come, first-served list.

Displays and activities pertaining to waterfowl management, hunting ethics, and hunting techniques will be available. For further info call Sacramento NWR at (530) 934-2801.

3RD ANNUAL YOUTH WATERFOWL HUNT (In the Balance of State, Southern San Joaquin Valley and Southern California Zones)

The special **Youth Waterfowl Hunt is scheduled for Saturday, January 29, 2000.** This seasons hunt will be administered in the same way as last year. Junior hunters use the regular Type A Waterfowl Reservation Form to apply to the wildlife area they wish to hunt. Wildlife areas participating are as follows: Grizzly Island, Gray Lodge, Little Dry Creek, Sacramento NWR, Delevan NWR. Of course our Type C wildlife areas will be open as well any private lands wishing to participate. Free private club hunts for juniors will also be available in many areas.

Detailed information about how to apply can be obtained by calling Cal DFG at (916) 227-2242 or California Waterfowl Association at (916) 648-1406 after November 1. In November, also see the Internet at <http://www.dfg.ca.gov/hunting/index.html> or www.calwaterfowl.org. If juniors miss the reservation deadline for public area hunts, participating public hunt areas will also accept drop-in entry on the day of the hunt. The regular season bag limits apply, and only hunters 15 and under may participate.

The Youth Waterfowl Hunt Day in the **Northeastern California Zone is October 2, 1999** and the **Colorado River Zone Youth Waterfowl Day is January 22, 2000.**

This calendar of youth events in California brought to you by YOUTH IN THE OUTDOORS, a partnership to facilitate the conservation, enhancement, and restoration of our fish and wildlife and habitats through the education and participation of our youth in California's outdoor heritage.



October 1999

- 1-3 Monterey Bay Bird Festival at Elkhorn Slough, Monterey County. \$ (831) 728-5939.
- 2 Youth Waterfowl Hunt Day in northeastern zone. Call for locations. (530) 225-2867.
- 2 Maidu Indian Day, Effie Yeaw Nature Center, Sacramento County, 10am-3pm.
\$ (916) 489-4918.
- 2-3 Lake Tahoe Kokanee Salmon Festival, El Dorado County. Free (530) 573-2674.
- 9 Waterfowl hunting season opens in northeastern zone. \$ (916) 653-7203.
- 9 Crane Day Tour at Merced NWR, Merced County, 8am to noon. Free (209) 826-3508.
- 15-16 Lodi Lakes Salmon Festival, San Joaquin County. (209) 333-6742.
- 16 Waterfowl hunting season opens for balance of the state. \$ (916) 653-7203.
- 16 Quail hunting season opens (all quail, zones A and C). \$ (916) 653-7203.
- 16 Return of the Salmon Festival at Coleman Fish Hatchery, Shasta County, 9am-4pm.
Free (530) 365-8622.
- 16 Stone Lakes Walk on the Wildside Celebration in Freeport, Sacramento County,
10am-5pm. \$ (916) 979-2086.
- 16,23 Junior Waterfowl Hunts at Lower Klamath NWR, Siskiyou County, 1pm to sunset.
Free (530) 667-2231.
- 23-24 American River Salmon Festival, Sacramento County. (916) 361-8700.

November 1999

- 5-7 Sandhill Crane Festival, San Joaquin County. \$ (209) 368-6444.
- 13 Pheasant hunting season opens. \$ (916) 653-7203.
- 13 Turkey hunting season opens. \$ (916) 653-7203.
- 13 Second half of dove hunting season opens. (916) 653-7203.
- 18-21 Central California Birding Symposium for Families, Stockton, San Joaquin County.
(209) 466-3337.
- 27 Junior Waterfowl Hunt at Lower Klamath NWR, Siskiyou County, 1pm to sunset.
Free (530) 667-2231.

December 1999

- 18 Youth Waterfowl Hunt at Sacramento NWR, apply during November, Glenn
County, Free (530) 934-2801.
- 19 Llano Seco Youth Pheasant Hunt, apply during November, Butte County. Free (530) 934-2801.
- 29 Youth Waterfowl Hunt at Delevan NWR, apply during November, Glenn County, Free (530) 934-2801.
- TBA Grizzly Island Junior Waterfowl Hunts, Solano County. Free (707) 425-3828.

January 2000

- 14-16 Youth Fair at the Sacramento International Sportsmen's Expo at Cal Expo, Sacramento. \$
- 14-17 Morro Bay Winter Bird Festival, San Luis Obispo County. \$ (805) 772-4467.
- 15-16 Snow Goose Festival, Butte County. (530) 891-6424.
- 21-23 Northern San Francisco Bay Flyway Festival, Solano County. Free (707) 562-3000.
- 29 Youth Waterfowl Hunt Day, balance of the state. Free (916) 653-7203. Reservations are due by January 12, (916) 227-2282, First-come, first-served also available.

February 2000

- 18-20 California Duck Days Festival in Davis, Yolo County. \$ (530) 758-1286.
 - 27 Expanding Your Horizons Workshops for teen women, Humboldt State University, must pre-register. 9am \$ (707) 826-5826.
- \$=Admission Fee**

Did you know...

- * The lake sturgeon is the longest-lived fish, sometimes reaching an age of 80 years.
- * The sandhill crane has a seven foot wing span, five inch bill, and stands about four feet tall.
- * Some waterfowl will fly 55 m.p.h., up to 5 miles high, for 2000 miles without stopping - which is a 40 hour flight.
- * Some birds "lower their thermostats" from their normal 104 degrees F in the daytime, as much as 50 degrees F to conserve energy on a cold night.
- * Canvasback ducks fly up to 70 miles per hour, green-winged teal are the smallest ducks weighing 7 ounces, and the shoveler's spoon-shaped bill is longer than its head!

More info:

- * Call for a directory of birding and nature festivals, (202) 857-0166.
- * Participate in the Fishing in the City Program. Call (916) 323-7215.
- * Visit the Youth in the Outdoors website at youthintheoutdoors.org

Sponsors: Calif. Dept. of Fish and Game, Calif. Waterfowl Association, The Mule Deer Foundation, National Audubon Society - California, The National Wild Turkey Federation, Quail Unlimited, Rocky Mountain Elk Foundation, Sacramento Trapshooting Club, U.S. Fish and Wildlife Service.

CALIFORNIA DUCK DAYS IN DAVIS, CA February 18-20, 2000

ACTIVITIES: The festival features fun and informative field trips, workshops, demonstrations, and a large **EXHIBITION HALL** full of interactive educational displays about wetlands and other Central Valley wildlife habitats. There's something interesting and fun for everyone at California Duck Days, including:

Over 40 field trips to view and learn about wildlife in areas throughout the Central Valley, many on private land not normally available to the public. The California Department of Fish and Game will host field trip participants at the Yolo Bypass Wildlife Area, Grizzly Island Wildlife Area, Gray Lodge Wildlife Area, in addition to presenting workshops and a comprehensive education booth at the festival.

Workshops on diverse topics such as: **decoy carving, duck calling, waterfowl identification, wetland protection, waterfowl hunting, farming for wildlife, building wood duck boxes** and much, much more!

Children's activities galore, including **live baby ducklings and a special performance by Voice of the Wood.**

Exhibition Hall features displays, demonstrations, and interactive displays from over 35 groups concerned with wetland protection including the California Department of Fish and Game.

California Duck Days is a 501(c)(3) non-profit, public benefit corporation. The festival is produced by a wide array of governmental and non-governmental organizations.

COST: A one-day registration is just \$15, and a weekend pass that includes all field trips and on-site events is only \$25. Children 16 and under are admitted free. **Call (530) 758-1286 for a registration form, or visit our web site at www.yolobasin.org, or call (800) 425-5001 for a schedule of events.**

3rd Annual American River Salmon Festival

WHEN: Oct. 23-24, 1999, 10am - 4 pm

WHERE: Rancho Cordova - Nimbus Hatchery off Hazel Avenue and Lake Natoma

Free admission, \$5 parking fee

ACTIVITIES: Guided river walks, barbeque, dam tours, river rafting, lake kayaking, fly fishing demonstration, live animal demonstrations, culinary presentations, live bands, puppetry and a wildlife arts and crafts show, fine art, crafts, pond quest, games and exhibits. Children's activities include storytelling, salmon maze, face painting, hands on exhibits, a 3,000 gallon aquarium and a trout stocked lagoon with free fishing pole loan.

MORE INFO: (916) 358-4359

OUTDOOR CALIFORNIA

Outdoor California is the Department of Fish and Game's full color magazine about California's wildlife. The July-August 1999 issue has articles about river otters, owls, the hazards of illegally moving fish into non-native waters, a true story about the apprehension of deer poachers, fishing for high lakes trout, lifetime hunting/fishing license application, and an article about creating habitat for wildlife in your backyard or rural setting. The habitat article has plans for building brush piles, rock piles, mourning dove nest cones, wood duck boxes, and bat boxes. **If you would like a copy of this issue to review or would like to know more about habitat improvement, please call (530) 743-5068 and leave your name, mailing address and what you are requesting. If you would like a subscription to this bi-monthly magazine, send only \$9.95 to: Outdoor California, P.O. Box 944209, Sacramento, CA 94244-2090**

3rd Annual Sandhill Crane Festival at Lodi High School

WHEN: Nov. 5-7, 1999, 6 am-6 pm

ACTIVITIES: In addition to the festival there are 60 guided 2-4 hour field trips to: Cosumnes River Preserve, Stone Lakes Refuge, Woodbridge Reserve, Lodi Lake, Stockton Ponds, roving tours with Audubon, Delta canoeing and cruises, eagle watching by boat, foothills, and private lands.

COST: Adults - \$5 per day or \$8 for the weekend; youth under 18 are free. \$5-10 fee per field trip.

Over 1,000 people enjoyed the family oriented event in 1998. The 1999 program promises to be better than last year with 20 workshops and family programs, a crane art exhibition of local and international youth, videos, exhibits (including the hand-on "Cranium") live bats and large mammal demonstrations, and origami. Featured speakers are Kent Clegg, whose ultralight leads cranes from Idaho to New Mexico (Saturday) and David Yee, one of California's most renowned birders.

MORE INFO: (209) 368-6444



SANDHILL CRANE TOUR SEASON OPENS

The California Department of Fish and Game has opened registration for its expanded series of naturalist-led tours to experience one of nature's most dramatic and beautiful phenomena - the fly-in of sandhill cranes. From October 3, 1999 to February 27, 2000 late afternoon trips are scheduled at Woodbridge Ecological Reserve near Lodi. Afternoon tours last 2 hours, ending at sunset. They include use of a new wildlife viewing shelter at a behind-the-scenes site available only on these tours. Very little walking is involved.

The Reserve supports some of California's densest populations of greater sandhill cranes (a threatened species) and Lesser sandhill cranes in addition to providing valuable habitat for hawks, waterfowl, shorebirds, herons and songbirds.

To register, send a self-addressed, stamped envelope and a card with 1st and 2nd choice of date, number in your party, name and complete address and phone number. A confirmation letter and map will be sent soon after. Send to: Crane Tours, Department of Fish and Game, 1701 Nimbus Road, Rancho Cordova, CA 95670. A \$5.00 donation per adult, payable to California Wildlife Foundation, is requested with registration. Trips do fill quickly, so register early. Group tours are also available on select Saturdays. Public tour dates are every Sunday, the first Thursday and second Saturday of each month. For Sandhill Crane Festival tours November 5-7, call (209) 368-6444. For more info call (916) 358-2353.

SPECIAL 1999-2000 LAKE SONOMA FALL AND SPRING WILD TURKEY HUNTS

The U.S. Army Corps of Engineers and the Dept. of Fish and Game are offering 4 wild turkey hunts. Location: 10 miles NW of Healdsburg in Sonoma County. Ten hunters will be drawn for each hunt, and each hunter can take one (1) hunting guest. Junior hunters must possess a Junior hunting license, and be accompanied by an adult. The adult can be the guest, or chaperone to the Junior hunter and another licensed junior.

Applications: Applicants may apply for only one hunt day in each season. Submit a standard Postal Service post card (one name per card) with: Name, Address, Telephone#, Hunting license #, and Hunt date requested. Send applications to: **DFG, Lake Sonoma Turkey Hunt, PO Box 47, Yountville, CA 94599.**

Fall 1999 Turkey Hunts

Area 1: Junior Hunt - Saturday/Sunday, November 13 and 14, 1999.

Area 2: Adult Hunt - Saturday/Sunday, Nov. 20 and 21, 1999

Drawing: All applications must be received in the DFG, Yountville Regional Office by 5:00 PM Thursday, October 14, 1999. The drawing will be held on Friday, October 15, 1999. Only *successful* applicants will be notified by mail.

Spring 2000 Turkey Hunts

Area 1: Adult Hunt: Saturday/Sunday, March 25 and 26, 2000.

Area 2: Junior Hunt: Saturday/Sunday, April 1 and 2, 2000.

Drawing: All applications must be received in the DFG, Yountville Regional Office by 5:00 PM **Thursday March 2, 2000.** The drawing will be held on **Friday, March 3, 2000.**

SPECIAL 1999-2000 LAKE SONOMA WILD PIG HUNTS

The U.S. Army Corps of Engineers and the Dept. of Fish and Game are offering 26 wild pig hunts to be held on Tuesdays and Wednesdays, November 9, 1999 through March 28, 2000. Location: 10 miles NW of Healdsburg in Sonoma County.

Wild Pig Hunt Success: Last year, overall pig hunter success decreased slightly from (1998-99), from 8.9% to 8 %. Overall, 489 (483) hunters took 39 (43), with 162 (136) archers taking 3 (2) pigs for a success rate of 6.6%, 227 (236) shotgun-slug hunters took 15 (34) wild pigs for a success rate of 6.6%, and 100 (111) rifle hunters took 21 (7) wild pigs for a success rate of 21%. The 1999-2000 season overall success rate is expected to be about the same as last year.

Hunt Periods: The wild pig hunts are divided into two hunt periods. The first period contains 10 archery hunts (Area 1, Tuesdays) and three rifle hunts (Area 2, Wednesdays) and runs from November 9, 1999 to January 12, 2000. The second period has 11 shotgun-slug hunts (Area 1 Tuesdays and 2 rifle hunts (Area 2, Wednesdays) and runs from January 18, 2000 to March 30, 2000.

Permits: Hunting permits are required. Fifteen permits will be drawn for each hunt date. Each permit is good for two (2) hunters.

Applications: Applicants may apply for only one hunt in each hunt period. Submit a standard Postal Service post card (one name per card) with: Name, Address, Telephone#, Hunting license #, and Hunt date requested. Send applications to: DFG, Lake Sonoma Pig Hunt, PO Box 47, Yountville, CA 94599.

Drawings: Only two drawings will be held, one for each hunt period. The first period drawing will be held October 8, 1999. Applications must be received in the DFG, Yountville Regional Office by 5:00 PM October 7, 1999. The second period drawing will be held on December 17, 1999 with applications due by 5 PM on December 16, 1999. Only successful applicants will be notified by mail.

Pig Hunt Dates: Period 1: Nov. 9, 1999 to Jan 12, 2000

Area 1: South: Rockpile Road, Stewarts Point Road

Hunt: Archery (10 Tuesdays), Nov.9, 16, 23, 30; Dec. 7, 14, 21, 28; Jan 4, 11.

Area 2: North: Yorty Creek, Hot Springs Road

Hunt: Rifle-any legal firearm (3 Wednesdays), Nov.17, Dec.15, Jan.12.

Pig Hunt Dates: Period 2: Jan. 18, 2000 to March 28, 2000

Area 1: South: Rockpile Road, Stewarts Point Road

Hunt: Shotgun-slug (11 Tuesdays), Jan 18, 25; Feb. 1, 8, 15, 22, 29; Mar. 7, 14, 21, 28.

Area 2: North - Yorty Creek, Hot Springs Road

Hunt: Rifle-any legal firearm (2 Wednesdays), Feb. 9, Mar 15.

Joice Island Pig Hunt - February 2000

The Joice Island Unit of Grizzly Island Wildlife Area in the Suisun Marsh, Solano County, MAY be open for a limited entry, permit only pig hunt in February 2000. The Dept. of Fish and Game wishes to control the numbers of wild pigs in the marsh area.

Only shotguns using slugs can be used. Joice Island is a marsh area with thick cattails, tules and some brush. There will be some water in the ponds from duck season.

For more information, call the Grizzly Island Wildlife Area at (707) 425-3828 in early **January 2000.**

FALL 1999 AND SPRING 2000 TURKEY SEASONS

The **Fall 1999 wild turkey season** is 16 days in length - **November 13 through November 28, 1999**. The fall bag limit will be **1 turkey, either sex, per day and 1 per season**.

The **Spring 1999 wild turkey season** will be from **March 25 - April 30, 2000**. The bag limit is **1 bearded turkey per day, 3 per season**.

Forecast - Nesting and brood survival appears to be high. Numerous broods of large young birds are being seen throughout northern California. Turkey hunting this fall and next spring should be very good.

Places to Hunt:

Black Butte Reservoir (8000 acres) - 25 miles west of Chico via Highway 32 and Newville Road. Waterfowl, quail, dove, pheasant, deer and wild pig are also available. For info and a map contact the U.S. Army Corps of Engineers, 19225 Newville Road, Orland, CA 95963 or call (916) 865-4781.

Tehama Wildlife Area (44,601 acres) - Type C area - Open for hunting all year except for the southern portion of the wildlife area, south of Hogsback Road, which is closed to public entry from February 1 to the first Saturday in April for the purpose of not disturbing wintering deer. The wildlife area is generally open to all hunting except for the G-1 Late Season buck Hunt for Zone C-4. G-1 USE PERMITS are issued by drawing for that season which generally begins the 4th Saturday in October and extends for 9 days. No pig hunting except during April/May by USE PERMIT only. **Access:** Headquarters is located 23 miles east of Red Bluff via Highway 36 and south on Plum Creek Road. Hogsback Road enters the wildlife area 16 miles east of Red Bluff.

Best turkey hunting areas are Plum and Oak Creeks, and Dehaven Gulch. For info and a map call (530) 597-2201

Spenceville Wildlife Area (11,213 acres) and Daugherty Hill WA (2,477 acres) -Type C areas -Both WA's are 20 miles east of Marysville. **No permits needed for the fall turkey season.** Permits issued by drawing at the DFG, Region 2 office for Sat., Sun., and Wed., for the first 9 days of spring turkey season. For maps call the DFG at (530) 743-5068.

Feather River Wildlife Area - Type C areas -Units are located 23-28 miles north of Sacramento on both sides of the Feather River. This WA is occasionally flooded during spring turkey season. **The Lake of the Woods Unit (700 acres)** is located 25 miles north of Sacramento and 10 miles south of Marysville on Feather River Boulevard. Access is south from the Star Bend Fishing Access. **The Nelson Slough Unit (800 acres)** is located 23 miles north of Sacramento, 17 miles south of Yuba City and under the Highway 99 Feather River Bridge. Access is east or west on Sacramento Avenue. **The O'Connor Lake's Unit (471 acres)** and the **Abbott Lake Unit (439 acres)** are 30 miles north of Sacramento and 10 miles south of Yuba City at the east end of Star Bend Road. Park at the end of Star Bend Road. **Waterfowl, rabbit, quail, dove, tree squirrel, pheasant, coyote, crow, and deer hunting are also available.** For maps call DFG at (530) 743-5068

Lake Oroville State Recreation Area - Hunting daily from September 15 through January 31 and for wild turkeys only during the spring wild turkey season - (4,150 acres) - 7 miles east of Oroville via Hwy 162; boat access to much of the area. The majority of the Recreation Area lands consists of a narrow strip surrounding Oroville Lake extending a minimum of 300 feet from the high water line to one-half mile or more in some areas. Some U.S. Forest Service and BLM lands adjoin the Recreation Area. **CA and mtn quail, wild turkey, band-tailed pigeon, rabbits, squirrels and pheasant are also available.** No waterfowl or deer hunting allowed. Hunting on or from the water surface of Lake Oroville is prohibited. For a map contact the Lake Oroville State Recreation Area, 400 Glen Drive, Oroville, CA 95966 or call (916) 538-2200 or 538-2219.

Auburn State Recreation Area (30,000 acres) - South of Interstate 80 near Auburn. Hunting is allowed from Sept. 1 to Jan. 31 and spring turkey season. Only shotguns, rifles or bows and arrows may be used. Popular game species include deer, valley quail, dove, bandtail pigeon and wild turkey. Write the Auburn State RA, CA Dept. of Parks and Recreation, P.O. Box 3266, Auburn, CA 95604 or call (916) 885-4527/988-0205 for maps and information.

El Dorado National Forest, Jenkinson Lake Area - 15 miles east of Placerville. Park Creek Road accesses the ridges on the east and south sides of Jenkinson Lake. For a map contact the El Dorado NF Info Center, 3070 Camino Heights Drive, Camino CA 95709 or call 916 644-6048.

New Hogan Lake (400 acres) - 30 miles east of Stockton. For a map contact the U.S. Army Corps of Engineers, 2713 Hogan Dam Blvd., Valley Springs, CA 95252 or call (209) 772-1343.

Lake Sonoma - 14 miles west of Healdsburg. Fall and spring turkey hunting by reservation only. For information contact the DFG, Region 3 at 707 944-5500. No other hunting allowed. See reservation info.

Lake Mendocino - East of Ukiah. For spring turkey hunting reservation information contact the DFG, Region 3 at 707 944-5500. For other hunting info contact the U.S. Army Corps of Engineers at 707 462-7581. See reservation info.

Mendocino NF east of Covelo (Mendocino County) and in the Lake Pillsbury area (Lake County). For a map contact the Mendocino NF, 420 East Laurel St., Willows, CA 95988 or call (916) 934-3316.

Cache Creek Public Access - Parking lot is 8 miles east of Clearlake Oaks on Highway 20 in Lake County, 73,000 acres of BLM and DFG property. For a map contact the BLM, 2550 North State Street, Ukiah, CA 95482-3023 or call (707) 468-4000.

National Forests in the Sierras Nevada Mtns. - The lower elevation areas sometimes have turkeys. Purchase a National Forest map and hike the lowest elevation areas looking for turkey sign in the oak groves.

Oroville Wildlife Area (11,871 acres) - West side of Oroville CA. Spring turkey hunting by reservation only. **No fall turkey hunting on this area.** Waterfowl, rabbit, quail, dove, tree squirrel, chukar, bobwhite, coyote, crow, and deer hunting are also available. For maps call DFG at (530) 743-5068.

Wildlife Area (WA) Map Packets

Free maps for the following public lands are available at 1) Dept. of Fish and Game, 1701 Nimbus Road, Rancho Cordova, CA95670, 2) DFG Licenses, 3211 S Street, Sacramento, CA 95816 or by calling (530) 743-5068, mention free map packet and leave your mailing address on the recorder. The following maps are available: White Slough WA - San Joaquin County, New Hogan Lake - Calaveras County, Oroville and Gray Lodge WA's in Butte County, Putah Creek WA - Solano County, Indian Valley WA - Colusa/Lake Counties, Black Butte Lake - Tehama/Glenn Counties, Abbott/O'Connor Lakes, Nelson Slough, and Sutter Bypass WA's in Sutter County, Sacramento Bypass WA - Sacramento County, Lake of the Woods and Daugherty Hill WA's in Yuba County, Spenceville WA - Yuba/Nevada Counties, Sacramento Valley Waterfowl Area Map, Grizzly Island WA - Solano County, Yolo Bypass WA - Yolo County, Indian Valley WA in Colusa/Lake Counties, Llano Seco, Howard Slough and Little Dry Creek Units of the Upper Butte Basin WA in Butte/Glenn Counties, Napa-Sonoma Marshes WA near Vallejo and habitat projects such as conservation easements, mourning dove nest cones, rockpiles/brushpiles, wood duck and bluebird box plans.

Special Upland Game Hunt Schedule

IMPORTANT INFORMATION ABOUT THESE HUNTS:

The hunts are open to anyone with a valid California Hunting License. Most hunts are free; however, there is a nominal fee for some of the special hunts on private property. Access to all hunts is by permit only, with the exception of hunts C1, C2 and D7, which are open to all hunters. Permits are awarded through random drawings held at least two weeks prior to each hunt. In order to meet the application deadline, be sure to request hunt information in advance of the scheduled hunt date. Successful applicants will be notified by mail. To apply:

1. Select the hunt you would like to attend.
2. **Call the corresponding telephone number at least one month before the hunt date and request information for that hunt.**
3. Mail your hunt application according to the rules provided.

Two special pheasant hunting opportunities are offered for mobility impaired hunters.

QUAIL HUNTS

Location	Hunt Dates	Contact
Squaw Valley - Juniors Only	Nov. 11	(559)-243-4005,
Leonard Root Ranch, Fresno County		ext. 132 or 133
Coarsegold - Juniors Only	Nov 11	(559)-243-4005,
Tri-Lake Club, Madera County		ext. 132 or 133

WOMEN'S PHEASANT HUNTS

Location	Hunt Dates	Contact
Taylor Ranch, Plumas County	Oct. 30	(530) 832-0801
Delta Islands	Nov. 14	(209) 948-7800
Sacramento County		
Gustine, Merced County	Dec. 11	(559) 243-4005
		ext. 132 or 133
Mapes Ranch, Stanislaus County	Dec. 4	(559) 243-4005
		ext. 132 or 133
Burrows Ranch, Tehama County	Dec. 4	(530) 225-2867
Central Coast, Monterey County	Dec. 4	(408) 848-2576

WILD TURKEY HUNTS

Location	Hunt Date	Contact
Daugherty Hill Wildlife Area, Yuba Co.	Mar. 25,26,29	(916) 358-2877
	Apr. 1,2	
Oroville Wildlife Area, Butte County	Mar. 25,26	(916) 358-2877
	Apr. 8,9	
	Apr. 22,23	
Spenceville Wildlife Area, Nevada & Yuba counties	Mar. 25,26,29	(916) 358-2877
	Apr. 1,2	
U.C. Field Station, Browns Valley, Yuba County Juniors only	Apr. 8,9	(530) 743-5068
	Apr. 15,16	
Lake Mendocino, Mendocino County	TBA	(707) 944-5500
Lake Sonoma, <i>Open</i>	TBA	(707) 944-5537
Sonoma County <i>Juniors only</i>	TBA	(707) 944-5537
Millerton Lake State Recreation Area	Mar. 25 - Apr. 30	(559) 243-4005,
Fresno County Archery only		ext. 132 or 133

CO-OP SPORTSMEN'S CLUBS PHEASANT HUNTS

Location	Hunt Dates	Contact
Stockton Sportsmen's Club, San Joaquin County	Nov. 13 - Dec. 4	(209) 613-9538

WILD BIRD PUBLIC PHEASANT HUNTS

Location	Hunt Dates	Contact
Delta Islands, Sacramento Co.	Nov. 17 - Dec. 12	(209) 948-7800
South East Fremont Weir, Yolo County	Nov. 13 - Dec. 12	(916) 358-2900

MOBILITY IMPAIRED

Location	Hunt Dates	Contact
Birds Limited, Placer County	By Appointment	(530) 823-9310
Felger Farms, Madera County	Nov. 21	(559) 243-4005,
		ext. 132 or 133

DOVE HUNTS

Yuba Outdoor Adventures, Dye Creek Ranch, Tehama County Pilibos Wildlife Area, Fresno County	Sept. 1, 4, 5 Free for juniors Sept .1-15 Nov. 13-Dec. 27	(559) 243-4005, ext.132 or 133
Dos Amigos Wildlife Area Merced County Tranquility, Fresno County	Sept .1, 2-15 Nov. 13-Dec. 27 Sept. 1, 2-15 Nov. 13-Dec. 27	(559) 243-4005, ext.132 or 133 (559) 243-4005, ext.132 or 133
Monte Paloma Ranch, Santa Barbara County Huron, Fresno County	Sept. 1, 4 Sept. 1, 2-15 Nov. 13-Dec. 27	(562) 590-5100 (559) 243-4005, ext.132 or 133

JUNIOR PHEASANT HUNTS

Location	Hunt Dates	Contact
Ash Creek Wildlife Area, Lassen & Modoc counties *	Sept. 11	(530) 294-5824
Butte Valley Wildlife Area, Siskiyou County	Sept. 11	(530) 398-4627
Shasta Valley Wildlife Area, Siskiyou County	Nov. 20,21	(530) 459-3926
Shasta County Sportsmen's Club, Tehama County *	Nov. 20,21	(530) 225-2348
	Nov 20,21	(707) 441-5788
Eel River Wildlife Area, Humboldt County *	Nov 20,21	(707) 464-2523
Lake Earl Wildlife Area, Del Norte County *	Oct 16,17	(530) 257-3215
Jake Trussell Memorial Youth Pheasant Hunt Lassen County	Oct 30,31	(530) 832-0801
Headwaters Honker Preserve , Plumas County	Nov 20	(530) 846-3315
Gray Lodge Wildlife Area, Butte County	Nov 20	(530) 358-2900
Oroville Wildlife Area, Butte County	Nov 13,21	(209) 948-7800
Delta Island, Sacramento County	Dec 19	(530) 934-2801
Llano Seco Ranch, Glenn County	Nov 6,7	(916) 358-2877
Feather River Wildlife Area, Sutter County *	Nov 20,21	(530) 982-2169
Upper Butte Basin Wildlife Area - Little Dry Creek Unit, Butte Co.**	Nov 13,14 Nov.20,21	(209) 957-9717
Stockton Sportsmen's Club, San Joaquin County	Nov 13, 14	(559) 243-4005, ext.132 or 133
Mapes Ranch, Stanislaus County	Nov 20 Nov 20	(707) 425-3828 (707) 226-3641
Grizzly Island Wildlife Area, Solano County		
Napa-Sonoma Marshes Wildlife Area, Napa & Sonoma Counties	Oct 30 Feb 5,6 2000	(707) 984-8992 (805) 238-4236
Laytonville Lyon's Club, Mendocino County		
Ray Azbil Junior Pheasant Hunt, San Luis Obispo County	Nov 20,27 Nov 20,21	(559) 655-4645 (209) 826-0463
Mendota Wildlife Area, Fresno County *	Dec 4,5	
O'Neill Forebay Wildlife Area, Merced County *		

*Recommended for First Time Hunters

FAMILY PHEASANT HUNTS

Location	Hunt Dates	Contact
Little Dry Creek, Upper Butte Basin Wildlife Area, Butte County	Nov 14	(530) 982-2169
North Grasslands Wildlife Area, China Island Unit, Merced County	Nov 20	(559) 243-4005,ext.132 or 133
Merced Wastewater Treatment Facility, Merced County	Dec 4,5	(559) 243-4005, ext. 165
Denair, Stanislaus County	Dec 11	(559) 243-4005, ext.132 or 133
Livingston, Merced County	Dec 4	(559) 243-4005,ext. 132 or 133
Helm, Fresno County	Nov 20	(559) 243-4005,ext. 132 or 133
Chowchilla Hunt	Nov 20	(559) 243-4005, ext 132 or 133
San Joaquin, Kamm Ave, Helm,CA	Nov 20	(559) 243-4005, ext 132 or 133



In The Line Of Duty

By Jack Edwards

Conservation Education, Enforcement Branch

California's Fish and Game Wardens, along with park rangers, deputy sheriffs and police officers paid respect to their fallen comrades at the annual dedication of the Peace Officer Memorial in Sacramento across from the Capital. This was a day for each law enforcement officer to pause and remember our brothers and sisters in uniform who gave their lives as peace officers. Scores of active and retired game wardens throughout the state said a prayer that honored those who had come before them and strengthen those who will come after.

Over the course of the last 86 years, 12 game wardens have given their lives the line of duty. With each death the slender fabric of California's "Thin Green Line" was torn and weakened.

"We are proud to pay our respect to our fellow officers who have paid the highest price to protect our state's fish and wildlife resources," said Richard Elliot, Chief of Patrol for the California Department of Fish and Game. "We honor the memory of wardens from our ranks along with fallen officers of other law enforcement agencies."

Most of us who assume the duties of a game warden know that national statistics show game wardens suffer an assault rate more than eight times greater than other peace officers. We know that by the nature of the job we make contact with armed hunters or anglers, individuals in possession of firearms, knives or gaffs. We also know that wardens in isolated areas work without a partner, that support is often hours away and is virtually non-existent. Working as a game warden is a unique calling, a calling that cannot and should not be answered by everyone. We understand the meaning of "The Thin Green Line," the measure of protection for our fish and wildlife resources and the habitats upon which they depend. It remains our duty to protect nature for all of the people of the state.

It is the philosophy of the law enforcement officer to take strict enforcement action against those who destroy resources or knowingly violate any wildlife law or regulation. Likewise, those who unintentionally violate non-resource related sections should be educated rather than punished. Wardens strive to be friends of all sports enthusiasts and they reflect that feeling in attitude and image. All our actions foster sportsmanship and love of the outdoors, wrapped with intolerance for the thieves of our resources.

Etched in stone and in memory

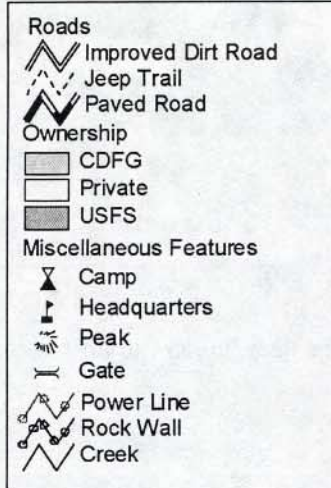
The following are wardens who have died in the line of duty:

- Bert Blanchard, found shot to death in the Berkeley Hills February 1913. Investigation disclosed that he attempted to arrest two suspects for illegal hunting. The murderers were never captured.
- Ernest Raynaud, beaten to death by some fisherman in San Francisco Bay in April 1913. One man later sent to the penitentiary for life but was later pardoned.
- George J. Rodolph, shot and killed November 1914 near Los Banos, attempting to arrest two market hunters. No witnesses. Hunters claimed self defense.
- Ray Heacock and Richard Squires, both found in their boat shot to death near Bouldin Island in the Delta in December 1916. Three suspects were later arrested. They claimed they shot in self defense and were acquitted.
- George Thompson, found dead beside his automobile in the Sacramento Valley in September 1928. Investigation disclosed that he met Charles Hogaboom and asked to see his hunting license when Hogaboom shot him twice with a shotgun. Hogaboom was declared insane. No witnesses.
- Alan G. Curry, on April 30, 1930 in San Francisco Bay, off Burlingame. Curry was detailed to watch for Antone Anderson, a repeat violator of Fish and Game laws. Curry boarded Anderson's boat and Anderson shot him twice with a shotgun. Anderson pleaded self defense and a grand jury failed to indict. No witnesses for the state.
- Walter K. Kruklow, killed April 20, 1947 near Redding by a 17-year-old Redding High School student fishing out of season.
- Paul S. Smith, drowned on Dec.19, 1970 while scuba diving for the Department in the ocean off Mendocino County's coastline.
- Jean Jones, shot to death on May 12, 1979 near Pittsburg while attempting to arrest an 18-year-old. Jones bled to death.
- Robert A. Flynt, killed May11,1984 near Brawley in Imperial County. While on duty, Flint died while driving when he failed to negotiate an "S" curve and ran his vehicle off the road into a drainage ditch.
- Roy J. Reed, killed June 7, 1984 near Bakersfield. During a pursuit of another vehicle, Reed overturned his vehicle in a muddy cotton field.

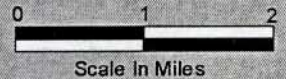
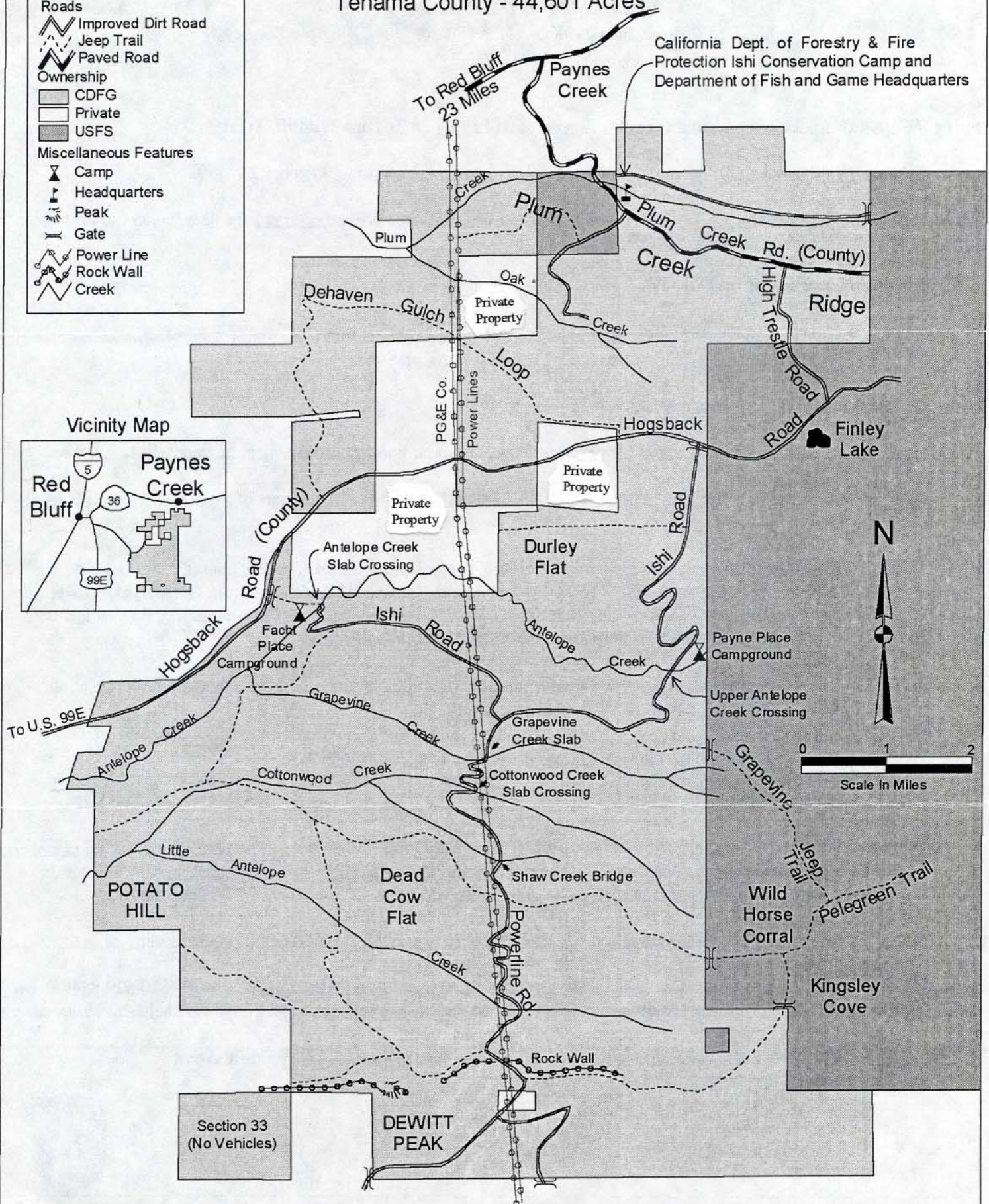
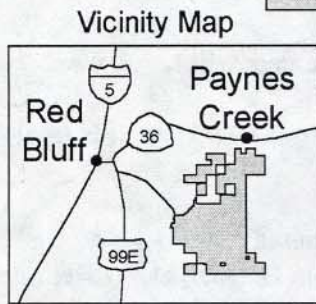
Tehama Wildlife Area

California Department of Fish and Game
Tehama County - 44,601 Acres

Legend



California Dept. of Forestry & Fire
Protection Ishi Conservation Camp and
Department of Fish and Game Headquarters



CALIFORNIA DEPARTMENT OF FISH AND GAME

Tehama Wildlife Area - 44,601 Acres - Type C area

Open for Hunting: All year except for the southern portion of the wildlife area, south of Hogsback Road, which is closed to public entry from February 1 to the first Saturday in April for the purpose of not disturbing wintering deer. The wildlife area is generally open to all hunting except for the G-1 Late Season Buck Hunt for zone C-4. G-1 USE PERMITS are issued by drawing for that season which *generally* begins the 4th Saturday in October and extends for 9 days. No pig hunting except during April/May by USE PERMIT only.

Habitat: Rolling hills covered with oak trees and brush.

Access: Headquarters is located 23 miles east of Red Bluff via Highway 36 and south on Plum Creek Road. Hogsback Road enters the wildlife area 16 miles east of Red Bluff.

USE PERMITS - Required only for the G-1 Late Season Buck Hunt for Zone C-4 and during the spring pig hunt.

Deer - Wildlife Area is in deer zone C-4. **C-4 General Deer Season** - Valid, unused deer tags required for deer hunting during the C-4 deer season. **G-1 Late Season Buck Hunt for Zone C-4** - The Tehama Wildlife Area is reserved for deer hunters in possession of a valid Tehama Wildlife Area G-1 USE PERMIT. One thousand (1,000) area use permits are issued by drawing of G-1 deer tag holders. These are divided into two hunt periods so there will be no more than 500 hunters per hunt period.

Wild pig - USE PERMIT hunting only on weekends during April and May. Specific information regarding spring pig hunts is available after February 15 by calling (530) 225-2867 or 225-2348.

Mourning Dove - Good nesting population, hunting best along the following perennial streams and ponds. Also hunt along ridges and Hogsback Road.

Wild turkey - good population. Best areas are Plum and Oak Creeks, and Dehaven Gulch.

Cottontails and jackrabbits - variable population throughout the wildlife area.

Valley quail - good population throughout the wildlife area.

Tree squirrels - poor population. Best areas are Plum, Antelope, and Oak Creeks, and Durley Flat.

Coyotes - Good population throughout the area.

Waterfowl - Jump shoot the ponds for mallards and wood ducks.

Fishing - Rainbow trout, brown trout and occasionally steelhead trout are found in Antelope Creek. Smallmouth bass are also found in the lower reaches of the streams. Anglers should check current limits and seasons in the DFG regulation booklet.

Adjacent Public Lands - Lassen National Forest borders the Tehama WA on the east.

Topographical Maps - The US Geological Survey topographic 7.5 minute quadrangle maps of Dewitt Peak and Panther Spring cover 90 percent of the WA; Finley Butte and Inskip Hill cover the rest. These maps are available from backpacking and engineering stores. US Forest Service maps can be obtained for \$4 by writing to Lassen NF, 55 South Sacramento St., Susanville, CA 96130 (530) 257-2151.

Camping - No fee camping on the WA. Camp fire permits are required by the California Department of Forestry during fire season.

Motels: Contact the Red Bluff Chamber of Commerce at (530) 527-6220 for motel information in Red Bluff. PLEASE NOTE: Area regulations are subject to change. Special restrictions on recreational uses, hunt days and methods of take are listed in the current year's issue of HUNTING AND OTHER PUBLIC USES ON STATE AND FEDERAL AREAS, available at Fish and Game offices and places where licenses are sold. For additional information, call the Northern California-North Coast Region (Region 1) office in Redding at (530) 225-2867 or the TWA at (530) 597-2201.

INFORMATION CENTER

Internet - DFG homepage: <http://www.dfg.ca.gov>

DFG, Hdqtrs, 1416 Ninth St., Sacto, 95814 (916)653-7664

Conservation Education (916) 653-6420

Inland Fisheries (916) 653-6194

Marine Resources (916) 653-6281

Natural Heritage (916) 324-0565

Personnel (916) 653-8120

Project Wild/Aquatic (916) 653-3857

Wildlife Management (916) 653-7203

Wildlife Protection (916) 653-4094

Mountain Lion Emergencies (916) 445-0045

DFG, *Region 1*, 601 Locust Street, Redding, CA 96001, (916)

225-2300, FAX (916) 225-2381.

DFG, *Region 2*, 1701 Nimbus Road, Rancho Cordova, CA 95670,

(916) 358-2900, FAX (916) 358-2912.

DFG, *Region 3*, P.O. Box 47, Yountville, CA 94599, (707) 944-5500, FAX (707) 944-5563.

DFG, *Region 4*, 1234 Shaw Avenue, Fresno, CA 93710, (559)

243-4005, FAX (209) 243-4022.

DFG, *Region 5*, 4949 Viewridge Ave, San Diego, CA 92123, (619) 467-4201, FAX (619) 467-4235

DFG, *Region 6*, 330 Golden Shore, Suite 50, Long Beach, CA 90802, (562) 590-5132, FAX (562) 590-5152.

DFG, *Region 7*, 20 Lower Ragsdale Dr., #100, Monterey, CA 93940 (831) 649-2870

DFG, License and Revenue Branch, 3211 S Street
Sacramento, CA 95816 (916) 227-2177 / 227-2244

Wildlife Areas

Gray Lodge Wildlife Area, 3207 Rutherford Rd.,

Gridley, CA 95948 (530) 846-3315

Grizzly Island Wildlife Area, P.O. Box 368

Suisun CA 94585 (707) 425-3828

Oroville/Spenceville Wildlife Areas, 945 Oro Dam Blvd

Oroville, CA 95965 (530) 538-2236

Upper Butte Basin Wildlife Area, P.O. Box 190

Butte City, CA 95920 (530) 982-2169

Yolo Bypass Wildlife Area, 45211 County Rd 32B

Davis, CA 95616 (530) 757-2461

CalTIP - Californians Turn in Poachers

1-888-DFG-CALTIP (1-888-334-2258)

DFG Hunter Education Information

Program Administrator (916) 653-1235

Region 1, Coordinator (530)225-2304 Rec (530) 225-2003

Region 2, Coordinator (916)358-2908 Rec (916)351-0833

Region 3, Coordinator (707)944-5544 Rec (707)944-5576

Region 4, Coordinator (559)222-3761, Ext 124 Rec 243-4027

Region 5, Coordinator (562)590-5185 Rec (562)590-5670

Upland Game Bird Publications (Quail, Pig and Turkey Guides)
1-916-653-GAME.

Farming for Wildlife Brochure -

Contact Glenn Rollins at (916) 653-7203.

Fishing in the City Stocking Program (916)358-2872 (Sacto)

Sport Fishing Information 1-800-ASK-FISH (275-3474)

Wild Trout Project Newsletter (2x/year) c/o Stan Stephens,

Editor 8530 W. Roosevelt Ave, Visalia, CA 93291-9458

(209) 651-1710

Trout Planting information

Sacramento Valley-Central Sierra (916) 351-0832

Northern California(530) 225-2146

Coastal Counties (Mendocino to San Luis Obispo)

(707) 944-5581

San Joaquin Vly-Southern Sierra (209) 222-3761 Ext 183

Becoming an Outdoors Woman (916) 657-4333

Subscription to: Outdoor California, P.O. Box 944209,

Sacramento, CA 94244-2090. Six issues are \$ **9.95 per year**For
Wing Beat subscribers, normally \$12. Offer expires 9/2000.

For subscription assistance call

(916) 653-7664.

To report a BIRD BAND call 1-800-327-BAND

Sacramento NWR, 752 County Rd. 99W, Willows, CA 95988
(530) 934-2801

Wing Beat News-San Joaquin Valley, Contact Los Banos WA,
18110 W. Henry Miller Ave, Los Banos, CA 93635

Wing Beat News-Southern California, Contact DFG-Region 5,
330 Golden Shore, Suite 50, Long Beach, Ca 90802 or call (562)
590-5158

Valley Care Newsletter (free)-Ducks Unlimited, 3074 Gold Canal
Dr., Rancho Cordova, CA 95670-6116 (916)852-2000

For National Forest maps and information contact the following
offices. Many of the offices carry maps of several forests. Most
maps are \$4 to \$5 each.

Mendocino NF, 420 East Laurel Street, Willows, CA 95988 (530)
934-3316

Plumas NF, P.O. Box 11500, 159 Lawrence St., Quincy, CA 95971
(530) 283-2050

Plumas NF, 875 Mitchell Ave., Oroville, CA 95965 (530) 534-
6500

Tahoe NF, P.O. Box 6003, Hwy 49 and Coyote St., Nevada City,
CA 95959 (530) 265-4531

El Dorado NF Information Center, 3070 Camino Heights Drive,
Camino, CA 95709 (530) 644-6048

Stanislaus NF, 19777 Greenley Road, Sonora, CA 95370 (209)
532-3671

Shasta-Trinity NF 2400 Washington Ave, Redding, CA 96001
(530) 246-5222

Six Rivers NF 507 E. Street, Eureka, CA 95501
(707)442-1721

Lassen NF 55 S. Sacramento St., Susanville, CA 96130
(530) 257-2151

Modoc NF, 441 N. Main St., Alturas, CA 96101
(530) 233-5811

California Department of Park and Recreation
areas open for hunting:

Lake Oroville State Recreation Area, CDPR, 400 Glen Drive,
Oroville, CA 95966, (530) 538-2200/538-2219

Auburn State Recreation Area (30,000 acres), CDPR, P.O. Box
3266, Auburn, CA 95604, (530) 885-4527/988-0205

U.S. Army Corps of Engineers properties open for hunting:

Black Butte Lake, USACE, 19225 Newville Road, Orland, CA
95963-8901, (530) 865-4781.

Englebright Lake, USACE, P.O. Box 6, Smartville, CA., 95977,
(530) 639-2342.

New Hogan Lake, USACE, 2713 Hogan Dam Blvd, Valley
Springs, CA 95252, (209) 772-1343.

Lake Mendocino, USACE, 1160 Lake Mendocino Dr, Ukiah, CA
95482 (707) 462-7581

Lake Sonoma, USACE, 3333 Skaggs Springs rd., Geyserville, CA
95441-9483 (707)433-9483 (Special hunts by reservation only)

Department of Interior, Bureau of Reclamation

areas open for hunting:

New Melones Lake, Bureau of Reclamation, 6850 Studhorse Flat
Road, Sonora, CA 95370, (209) 536-9094.

Department of Forestry property open for hunting:

Jackson Demonstration State Forest - 50,200 acres, 802 N. Main
St., Fort Bragg, CA 95437 (707)964-5674

Boggs Mtn. Demonstration State Forest -3,493 acres, P.O. Box
839 Cobb, CA 95426 (707) 928-4378

Bureau of Land Management (BLM)

Bakersfield, 800 Truxton Ave, 93301 (805)861-4191

Susanville, 705 Hall St, 96130 (530) 257-5381

Redding, 355 Henstead Dr., 96001 (530)246-5325

Folsom, 63 Natoma St., 95630 (916) 985-4474

Riverside, 1695 Spruce, 92507 (714)351-6383

Carson City, NV, 1050 E. Williams St, 89701

Cow Mtn/Kings Range Recreation Areas/Cache Creek Public
Access, 2550 N. State St., Ukiah 95482-3023

This is the first in a series of articles about farmers and ranchers who have made a commitment to conservation.

MANAGING FOR WILDLIFE PROVES ECONOMICALLY SOUND

By Melissa Heringer

Reprinted from AG ALERT, the California Farm Bureau newspaper

Along with managing 850 acre Yolo Vineyards, Tom Muller and his partners farm 6,000 acres of crops in Yolo County, including tomatoes, bell peppers, corn, cabbage, sunflowers, safflower, wheat and alfalfa. His farm is home to many species of wildlife, and much of what Muller does is aimed toward enhancing their habitat.

Muller explains that he likes to have nesting habitat on his farm, and he, along with an increasing number of farmers in California, lets his ditches and field lines be covered with grassy vegetation rather than being cleaned farmed. In fact, Muller even plants native grasses and trees in these areas and at the low ends of fields to provide additional cover. Muller also uses Integrated Pest Management (IPM) programs to reduce the need for spraying. He mows his vineyards rather than discing them, and does insectary planting which, he explains, are plants that harbor beneficial insects.

All of these practices, according to Muller, have been a learning process. He says it's best to "go slow" because implementing some of these programs can be quite expensive at first. Muller adds, "if you did everything at once you'd go broke." However, he's finding that some of these actions, such as mowing rather than discing his vineyards, are making economic sense in the long run. And, says Muller, wildlife numbers are increasing.

If you are interested in enhancing wildlife habitat, please contact Wildlife Biologist, Dale Whitmore at (530) 743-5068.

If you wish to receive this publication by mail, need to give us your change of address, or want to stop receiving WBN, please send a note to Gray Lodge Wildlife Area, 3207 Rutherford Rd., Gridley, CA 95948. Please no phone calls. If you represent a club or sporting goods store, please send a letter on company letterhead indicating how many copies you can distribute. WING BEAT NEWS IS A **FREE PUBLICATION** AND IT IS PUBLISHED 3 TIMES A YEAR; SUMMER, FALL AND SPRING.

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